



DC-DCコンバータ

ステータス	型番	基本仕様	Vin (min) (V)	Vin (max) (V)	Iout (max) (A)	Iq (typ) (mA)	Vfb (V)	fsw (max) (kHz)	Common Features	Special Features	Control Mode	Package	Grade
NEW	MPQ2172	5.5V, 2A, 2.6MHz, Synchronous, Step-Down Switcher AEC-Q100 Qualified	2.5	5.5	2	520	0.6	2600	Light-Load Efficiency, Power Good	100% Duty Cycle	COT	TSOT23-8	Industrial
NEW	MP2172C	MP2172C 5.5V, 2A, Sync Step-Down Converter with Output Discharge in UTQFN Package	2.38	5.5	2	0.45	0.6	1100	Light-Load Efficiency, Synchronous Rectification	100% Duty Cycle, Output Discharge	COT	UTQFN-6(1.2x1.6)	Catalog
NEW	MP2122A	6V, 2A, Low Quiescent Current, Dual, Synchronous Buck Regulator	2.7	6	2	0.045	0.608	1000	Light-Load Efficiency, Synchronous Rectification	100% Duty Cycle, 180° Phase-Shifted Operation	Current Mode	TSOT23-8	Catalog
NEW	MP2172	5.5V, 2A, 2.6MHz, Synchronous, Step-Down Switcher	2.5	5.5	2	520	0.6	2600	Light-Load Efficiency, Power Good	100% Duty Cycle	COT	TSOT23-8	Catalog
NEW	MPQ2171	5.5V, 1A, 2.6MHz, Synchronous, Step-Down Converter AEC-Q100 Qualified	2.5	5.5	1	520	0.6	2600	Light-Load Efficiency, Power Good	100% Duty Cycle	COT	TSOT23-8	Industrial
ACTIVE	MP2187	Dual 3A, 5.5V, 1.2MHz, COT Synchronous Step-Down Switcher with PG, input voltage failure indicator and auto discharge	2.5	5.5	3	0.08	0.6	1200	Dual Output, Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle, Fixed Output, Input Voltage Failure Indicator, Soft Stop	COT	QFN-16 (2.2x2.6)	Catalog
ACTIVE	MP2188	Dual 3A, 5.5V, 1.2MHz, COT Synchronous Step-Down Switcher with PG and auto discharge	2.5	5.5	3	0.08	0.6	1200	Dual Output, Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle, Fixed Output, Soft Stop	COT	QFN-16 (2.2x2.6)	Catalog
ACTIVE	MP2161A	High Efficiency, 2A, 6V, 1.5MHz, 17 μ A Iq, COT Synchronous Step Down Converter with better Vfb accuracy and better load regulation in TSOT23-8	2.5	6	2	0.017	0.6	1500	Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle	COT	TSOT23-8	Catalog
ACTIVE	MP2159A	High Efficiency, 1A, 6V, 1.5MHz, 17 μ A Iq, COT Synchronous Step Down Converter with better Vfb accuracy and better load regulation in TSOT23-8	2.5	6	1	0.017	0.6	1500	Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle	COT	TSOT23-8	Catalog
ACTIVE	MP2131	4A, 5.5V, 1.2MHz, High Efficiency, COT Synchronous Step-Down Converter with PG and Auto Discharge	2.7	5.5	4	0.019	0.6	1200	Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle, Soft Stop	COT	QFN-12 (2x2)	Catalog
ACTIVE	MP5403	6V Mini PMIC with High Efficiency Dual 2.5A/3.5A Buck, One Load Switch and Input Power Supervisory	2.7	6	3.5	0.085	0.6	1500	Dual Output, Light-Load Efficiency, Power Good	180° Phase-Shifted Operation, Adjustable PFL Threshold and Delay, Buck Output Discharge, Fixed Output Voltage Options, Input Power Failure Indicator (PFL), Output Discharge, Parallel Capability for Buck, USB Output Discharge		UTQFN-20 (2.5x3.0)	Catalog
ACTIVE	MP2143H	3A, 5.5V, 2MHz, High Efficiency, COT Synchronous Step Down Converter with PG and Auto Discharge	2.5	5.5	3	0.55	0.6	2000	Power Good, Synchronous Rectification	100% Duty Cycle, Soft Stop	COT	QFN-10 (2x3)	Catalog
ACTIVE	MP2162A	High Efficiency, 2A, 6V, 1.5MHz, 17 μ A Iq, COT Synchronous Step Down Converter with better Vfb accuracy and better load regulation in QFN package	2.5	6	2	0.017	0.6	1500	Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle	COT	QFN-8 (2.0x1.5), TQFN-8 (2.0x1.5)	Catalog
ACTIVE	MP2148	5.5V, 1A, 2.2MHz High-Efficiency, 11 μ A Iq COT Step-Down Switcher with output discharge	2.3	5.5	1	0.011	0.6	2200	Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle, Fixed Output, Output Discharge	COT	QFN-6 (1.0x1.5)	Catalog
ACTIVE	MP2110	12V, 3A, 1.5MHz Synchronous Step-Down Converter with Programmable Input Current Limit	3.3	5.4	3	0.19	0.6	1500	Light-Load Efficiency, Synchronous Rectification	100% Duty Cycle	COT	QFN-14 (3x3)	Catalog
ACTIVE	MP2147	5.5V, 4A, 1.2MHz High-Efficiency, 40 μ A Iq COT Step-Down Switcher with PG and mode selection	2.8	5.5	4	0.04	0.6	1200	Light-Load Efficiency, Power Good, Synchronous Rectification	Dynamic Voltage Scaling	COT	QFN-12 (2x3)	Catalog
ACTIVE	MP2145	5.5V, 6A, 1.2MHz, High-Efficiency, 40 μ A I Q Constant On-Time Synchronous, Step-Down Switcher	2.8	5.5	6	0.04	0.6	1200	Light-Load Efficiency, Power Good, Synchronous Rectification	Dynamic Voltage Scaling	COT	QFN-12 (2x3)	Catalog
ACTIVE	MP2158A	High Efficiency, 1A, 6V, 1.5MHz, 17 μ A Iq, COT Synchronous Step Down Converter with better Vfb accuracy and better load regulation in QFN package	2.5	6	1	0.017	0.6	1500	Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle	COT	QFN-8 (2.0x1.5)	Catalog
ACTIVE	MP9143	3A, 5.5V, 1.2MHz, 40 μ A Iq, COT Synchronous Step Down Switcher	2.5	5.5	3	0.04	0.6	1200	Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle, Soft Stop	COT	TSOT23-8	Catalog
ACTIVE	MPQ2122	Industrial Grade, 6V, 2A Dual Channel, 1MHz, Low Iq, PWM Sync Buck with High Efficiency and TSOT23-8 package	2.7	6	2	0.045	0.608	1000	Light-Load Efficiency, Synchronous Rectification	100% Duty Cycle	Current Mode	TSOT23-8	Industrial
ACTIVE	MPQ2143	Industrial Grade, 3A, 5.5V, 1.2MHz, 40 μ A I Q, COT Synchronous Step-Down Switcher AEC-Q100 Qualified	2.5	5.5	3	0.04	0.6	1200	Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle, Output Discharge/Soft Stop	COT	TSOT23-8	Industrial
ACTIVE	MP2141N	1A, Synchronous, Step-Down Converter with 11 μ A Quiescent Current in SOT563	2.3	5.5	1	0.011	0.6	2200	Power Good Only for Fixed Output Version, Synchronous Rectification	Fixed Output, Output Discharge	COT	SOT563	Catalog
ACTIVE	MPQ8612-12	12A, 6V, DCM, Non-latch OVP and OCP, COT Synchronous Step-down Converter	3	6	12	1.1	0.608	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency, Soft Stop	COT	QFN-14 (3x4)	Industrial
ACTIVE	MP9159A	1 A, 6 V, 1.5 MHz, Low Iq, COT Synchronous Step-Down Converter in 8-pin TSOT23	2.5	6	1	0.017	0.6	1500	Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle	COT	TSOT23-8	Catalog
ACTIVE	MP9161A	2A, 6V, 1.5MHz, 17 μ A Iq, COT Synchronous Step-Down Converter in 8-pin TSOT23	2.5	6	2	0.017	0.6	1500	Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle	COT	TSOT23-8	Catalog
ACTIVE	MP9162A	High Efficiency, 2A, 6V, 1.5MHz, 17 μ A Iq, COT Synchronous Step Down Converter with better Vfb accuracy and better load regulation in QFN package	2.5	6	2	0.017	0.6	1500	Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle	COT	QFN-8 (2.0x1.5)	Catalog
ACTIVE	MP21148	1A Synchronous Step-down Converter with CCM	2.3	5.5	1	0.5	0.6	2400	Power Good Only for Fixed Output Version, Synchronous Rectification	100% Duty Cycle, Output Discharge	COT with fixed CCM	QFN-6 (1.0x1.5)	Catalog
ACTIVE	MP9148	6V, 1A Dual Channel, 1MHz, Low Iq, Sync Buck with High Efficiency and TSOT23-8 package	2.7	6	1	0.045	0.608	1000	Dual Output, Light-Load Efficiency, Synchronous Rectification	100% Duty Cycle, 180° Phase-Shifted Operation	Current Mode	TSOT23-8	Catalog
ACTIVE	MPQ2143H	Industrial Grade, 3A, 5.5V, 1.2MHz, 40mQ Iq, COT Synchronous Step-Down Switcher AEC-Q100 Qualified	2.5	5.5	3	0.04	0.6	2000	Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle, Output Discharge/Soft Stop	COT	QFN-10 (2x3)	Industrial
ACTIVE	MP28200	200mA, 5.5V, 500nA, Ultra-Low Iq, Synchronous, Step-Down Converter	2	5.5	0.2	0.0005		1500	Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle, 7 Selectable Output Voltages, Ultra-Low Iq	COT	QFN-12 (2x2)	Catalog
ACTIVE	MP21600	0.6A, 5.5V, 2.2MHz, Synchronous Step-down Converter with 11 μ A I Q in Ultra-small 1x1.5mm QFN Package	2.3	5.5	0.6	0.011	0.6	2200	Light-Load Efficiency, Synchronous Rectification	100% Duty Cycle, Output Discharge	COT	QFN-6 (1.0x1.5)	Catalog
ACTIVE	MP28301	Ultra-Low 500nA I Q, Wide Input 2V to 5.5V, 700mA Step-Down Regulator Plus 300nA I Q, 2V to 5.5V Input, 100mA LDO in a 2mmx2mm QFN	2	5.5	0.7	0.0005		1500	Dual Output, Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle, 3 Selectable LDO Output Voltages, 7 Selectable Buck Output Voltages, Output Discharge, Ultra-Low Iq	COT	QFN-12 (2x2)	Catalog
ACTIVE	MPQ2249	Industrial Grade, 1MHz, 6V, 3A, Low-Voltage Synchronous Step-Down Converter	2.5	6	3	0.48	0.6	1000	Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle, Output Discharge	Current Mode		Industrial
ACTIVE	MP2162	High Efficiency, 2A, 6V, 1.5MHz, 17 μ A Iq, COT Synchronous Step Down Converter with PG in Ultra-small 2x1.5mm QFN	2.5	6	2	0.017	0.6	1500	Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle	COT	QFN-8 (2.0x1.5)	Catalog
ACTIVE	MP8606	6A, 6.5V, Fast-Transient, Synchronous Step-Down Converter with SS, PG and +/-1% Vfb	2.9	6.5	6	2	0.6	0	External Soft Start, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-18 (3x4)	Catalog
ACTIVE	MP2128	2.5V-6V Input, 3MHz, 1A Synchronous Step-Down Converter	2.5	6	1	0.35	0.594	3000	Synchronous Rectification	100% Duty Cycle	Current Mode	QFN-8 (2x2), SOT23-5	Catalog
ACTIVE	MP28300	300mA, 5.5V, 500nA, Ultra-Low Iq, Synchronous, Step-Down Converter plus 100mA LDO	2	5.5	0.3	0.0005		1500	Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle, 3 Selectable LDO Output Voltages, 7 Selectable Buck Output Voltages, Ultra-Low Iq		QFN-12 (2x2)	Catalog
ACTIVE	MPQ2166-AEC1	Automotive Grade, 6V, Dual 2A/2A or 3A/1A, Low Quiescent Current, Synchronous Buck with PG and SS	2.7	6	2	0.06	0.6		Dual Output, External Soft Start, Power Good	100% Duty Cycle, 180° Phase-Shifted Operation, External Frequency Sync, Programmable Frequency, Ultra-Low Iq	Current Mode	QFN-18 (2.5x3.5), QFN-18 (2x3)	Automotive
ACTIVE	MP2174C	2.7V-5.5V, 4A, High-Efficiency, Synchronous Step-Down Converter with Forced CCM in 2x2mm QFN	2.7	5.5	4	0.5	0.6	1100	Forced CCM, Power Good, Synchronous Rectification	100% Duty Cycle, Output Discharge, Soft Stop	COT	QFN-12 (2x2)	Catalog
ACTIVE	MP2171	5.5V, 1A, 2.6MHz, Synchronous, Step-Down Converter	2.5	5.5	1	520	0.6	2600	Light-Load Efficiency, Power Good	100% Duty Cycle	COT	TSOT23-8	Catalog
ACTIVE	MP28114	MP28114 Ultra-small 1.7MHz, 600mA, 1.5V, 1.8V and 3.3V Fixed Out-put Versions, Synchronous Step-Down Converter	2.5	6	0.6	0.4	0.6	1700	Synchronous Rectification	100% Duty Cycle, Fixed Output	Current Mode	QFN-8 (2x2)	Catalog
ACTIVE	MP2115	2A, 6V, 0.7-2MHz Step-Down Converter with Programmable Input Current Limit	2.8	6	2	0.8	0.607	1300	Power Good, Synchronous Rectification	100% Duty Cycle, Programmable Frequency	Current Mode	QFN-10 (3x3)	Catalog
ACTIVE	MP2153	5.5V, 3A, Sync Step-Down Converter with 25 μ A I Q and Output Discharge in Ultra-Small Package	2.5	5.5	3	0.025	0.6	1100	Light-Load Efficiency, Power Good Only for Fixed Output Version, Synchronous Rectification	100% Duty Cycle, Fixed Output, Output Discharge	COT	SOT563, UTQFN-6(1.2x1.6)	Catalog
ACTIVE	MP2152	5.5V, 2A, Sync Step-Down Converter with 25 μ A I Q and Output Discharge in QFN and SOT563 Packages	2.5	5.5	2	0.025	0.6	1100	Light-Load Efficiency, Power Good Only for Fixed Output Version, Synchronous Rectification	100% Duty Cycle, Fixed Output, Output Discharge	COT	SOT563, UTQFN-6(1.2x1.6)	Catalog



DC-DCコンバータ

ステータス	型番	基本仕様	Vin (min) (V)	Vin (max) (V)	Iout (max) (A)	Iq (typ) (mA)	Vfb (V)	fsw (max) (kHz)	Common Features	Special Features	Control Mode	Package	Grade
ACTIVE	MP2151	5.5V, 1A, Synchronous Step-Down Converter with 25 μ A I Q and Output Discharge in an Ultra-Small Package	2.5	5.5	1	0.025	0.6	1100	Light-Load Efficiency, Power Good Only for Fixed Output Version, Synchronous Rectification	100% Duty Cycle, Fixed Output, Output Discharge	COT	SOT563, UTQFN-6(1.2x1.6)	Catalog
ACTIVE	MPQ2166	Industrial Grade, 6V, Dual 2A/2A or 3A/1A, Low Quiescent Current, Synchronous Buck with PG and SS	2.7	6	2	0.06	0.6		Dual Output, External Soft Start, Power Good	100% Duty Cycle, 180° Phase-Shifted Operation, External Frequency Sync, Programmable Frequency, Ultra-Low Iq	Current Mode	QFN-18 (2.5x3.5), QFN-18 (2x3)	Industrial
ACTIVE	MP2143	3A, 5.5V, 1.2MHz, 40 μ A Iq, COT Synchronous Step-Down Switcher	2.5	5.5	3	0.04	0.6	1200	Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle, Soft Stop	COT	TSOT23-8	Catalog
ACTIVE	MP2149	6V, 1A Dual Channel, 1MHz, Low Iq, PWM Sync Buck with High Efficiency and TSOT23-8 package	2.7	6	1	0.045	0.608	1000	Light-Load Efficiency, Synchronous Rectification	100% Duty Cycle	Current Mode	TSOT23-8	Catalog
ACTIVE	MP2158	High Efficiency, 1A, 6V, 1.5MHz, 17 μ A Iq, COT Synchronous Step Down Converter with PG in Ultra-small 2x1.5mm QFN	2.5	6	1	0.017	0.6	1500	Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle	COT	QFN-8 (2.0x1.5)	Catalog
ACTIVE	MP2159	High Efficiency, 1A, 6V, 1.5MHz, 17 μ A Iq, COT Synchronous Step Down Converter with PG in TSOT23-8	2.5	6	1	0.017	0.6	1500	Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle	COT	TSOT23-8	Catalog
ACTIVE	MP2161	High Efficiency, 2A, 6V, 1.5MHz, 17 μ A Iq, COT Synchronous Step Down Converter with PG in TSOT23-8	2.5	6	2	0.017	0.6	1500	Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle	COT	TSOT23-8	Catalog
ACTIVE	MP5416	5V PMIC with High-Efficiency 4.5A/4A/2.5A/2A Four Step-Down Converters, Five LDOs with I2C and OTP	2.8	5.5	2/2.5/4/4.5	0.35	1.2/1.5/1.8 /3.3	2500	Light-Load Efficiency, Power Good, Synchronous Rectification	100% Duty Cycle, I2C Interface, Output Discharge, One-Time Programmable Memory	COT	QFN-28 (4x4)	Catalog
ACTIVE	MP2166	6V, Dual 2A/2A or 3A/1A, Low Quiescent Current, Synchronous Buck with PG and SS	2.7	6	2	0.06	0.6		Dual Output, External Soft Start, Power Good	100% Duty Cycle, 180° Phase-Shifted Operation, External Frequency Sync, Programmable Frequency, Ultra-Low Iq	Current Mode	QFN-18 (2.5x3.5), QFN-18 (2x3)	Catalog
NEW	MP8774H	12A, Wide-Input 3V to 18V, 1.4MHz Synchronous Step-Down Converter with PG and External Soft Start in 3mmx3mm QFN Package	3	18	12	0.1	0.6	1400	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification		COT	QFN-16 (3x3)	Catalog
NEW	MP1660	16V, 3A, 600kHz, High-Efficiency, Synchronous, Step-Down Converter with 0.6V V REF in a SOT563 Package	4.5	16	3	0.19	0.606	780	Light-Load Efficiency, Synchronous Rectification		COT	SOT563	Catalog
NEW	MPQ8645P	16V, 30A, Scalable, Digital, Synchronous Step-Down Converter with PMBus TM	3.1	16	30	2.5	0.6	4,006,008,001,000	Internal Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Current Limiting, Output Remote Sense, Programmable Frequency, Programmable Output Voltage, Scalable Multi-Phase Operation, PMBus Interface	COT	TQFN-25 (4x5)	Industrial
NEW	MP2332C	18V, 2A, 650kHz, Synchronous Step-Down Converter with PG, SS, and Forced CCM	4.2	18	2	0.2	0.805	650	External Soft Start, Forced CCM, Power Good, Synchronous Rectification		COT	SOT583	Catalog
NEW	MP2333C	18V, 3A, 650kHz, Synchronous Step-Down Converter With PG, SS, and Forced CCM in SOT583 (1.6x2.1mm) Package	4.2	18	3	0.2	0.805	650	External Soft Start, Forced CCM, Power Good, Synchronous Rectification		COT	SOT583	Catalog
NEW	MP2332H	4.2V to 18V Input, 2A, 1.2MHz Synchronous Buck Converter with Power Good and Soft Start in SOT583 (1.6mmx2.1mm) Package	4.2	18	2	0.2	0.805	1200	External Soft Start, Forced CCM, Power Good, Synchronous Rectification		COT	SOT583	Catalog
NEW	MP2333H	4.2V - 18V Input, 3A, 1.2MHz Synchronous Buck Converter with Power Good and Soft Start in SOT583 (1.6mmx2mm) Package	4.2	18	3	0.2	0.805	1200	External Soft Start, Forced CCM, Power Good, Synchronous Rectification		COT	SOT583	Catalog
NEW	MP2238	High-Efficiency, 8A, 18V, Synchronous Step-Down Converter	4.2	18	8	0.15	0.6	600	Synchronous Rectification		COT	QFN-12 (2x3)	Catalog
ACTIVE	MP1474S	2A, 16V, 500kHz, Synchronous, Step-Down Converter with PG	4.5	16	2	0.5	0.807	500	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Catalog
ACTIVE	MP8760D	High-Efficiency, 6A, 18V, Synchronous Step-Down Converter	4.5	18	6	0.86	0.61	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency, Soft Stop	COT	QFN-16 (3x4)	Catalog
ACTIVE	MP2326	4A, 19V, 40 μ A I Q, High Efficiency, Step-Down Converter with PG and External SS	3.9	19	4	0.04	0.6	1100	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-14 (2x3)	Catalog
ACTIVE	MP2225	5A, 18V, 500kHz, High Efficiency Synchronous Step Down Converter	4.5	18	5	0.32	0.6	500	Light-Load Efficiency, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Catalog
ACTIVE	MP8758	10A, 5-18V, COT Synchronous Step-down Converter with PG	5	18	10	0.19	0.604	500	Light-Load Efficiency, Power Good, Synchronous Rectification	Output Discharge	COT	QFN-21 (3x4)	Catalog
ACTIVE	MP8757	7A, 5-18V, COT Synchronous Step-down Converter with PG	5	18	7	0.19	0.604	500	Light-Load Efficiency, Power Good, Synchronous Rectification	Output Discharge	COT	QFN-21 (3x4)	Catalog
ACTIVE	MP2235S	3A, 16V, 800kHz, Synchronous Step-Down Converter with Ext.SS	4.5	16	3	0.5	0.804	800	External Soft Start, Light-Load Efficiency, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Catalog
ACTIVE	MP1475S	3A, 16V, 500kHz, Synchronous, Step-Down Converter with PG	4.5	16	3	0.5	0.807	500	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Catalog
ACTIVE	MP2236	18V, 6A, High-Efficiency, Synchronous Step-Down Converter	3	18	6	0.15	0.6	600	Synchronous Rectification		COT	TSOT23-8	Catalog
ACTIVE	MPQ8636H-20	20A, 4.5-18V, CCM, Hiccup OVP, COT Synchronous Step-down Converter	4.5	18	20	1	0.611	1000	External Soft Start, Power Good, Synchronous Rectification	Programmable Frequency	COT with fixed CCM	QFN-25 (5x4)	Industrial
ACTIVE	MPQ8636A-10	10A, 4.5-18V, CCM, Latch-Off OVP/OCP, COT Synchronous Step-down Converter	4.5	18	10	0.86	0.611	1000	External Soft Start, Power Good, Synchronous Rectification	Programmable Frequency	COT with fixed CCM	QFN-16 (3x4)	Industrial
ACTIVE	MP1497S	3A, 16V, 500kHz, Step-Down Converter with external SS	4.5	16	3	0.7	0.807	500	External Soft Start, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Catalog
ACTIVE	MP9472	0.45A, 18V, Non-Synchronous, Rectified, Step-Down Converter	4.75	18	0.45	1.3	0.923	340	External Soft Start		Current Mode	TSOT23-8	Catalog
ACTIVE	MP1496S	2A, 16V, 500kHz, Step-Down Converter with external SS	4.5	16	2	0.7	0.807	500	External Soft Start, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Catalog
ACTIVE	MP1495S	3A, 16V, 500kHz, High-Efficiency Step-Down Converter	4.5	16	3	0.5	0.807	500	Light-Load Efficiency, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Catalog
ACTIVE	MP1494S	2A, 16V, 500kHz, High-Efficiency Step-Down Converter	4.5	16	2	0.5	0.807	500	Light-Load Efficiency, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Catalog
ACTIVE	MPQ8632D-12	12A, 2.5-19V, DCM, Non-latch OVP, COT Synchronous Step-down Converter with output Discharge	2.5	18	12	0.86	0.611	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency, Soft Stop	COT	QFN-16 (3x4)	Industrial
ACTIVE	MPQ8632D-6	6A, 2.5-18V, DCM, Non-latch OVP, COT Synchronous Step-down Converter with output Discharge	2.5	18	6	0.86	0.611	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency, Soft Stop	COT	QFN-16 (3x4)	Industrial
ACTIVE	MP8763D	High-Efficiency, 12A, 18V, Synchronous Step-Down Converter	4.5	18	12	0.86	0.61	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency, Soft Stop	COT	QFN-16 (3x4)	Catalog
ACTIVE	MP8714	High-Efficiency, 10A, 17V, Synchronous, Step-Down Converter With External Soft Start and Power Good	4.5	17	10	0.56	0.6	500	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	QFN-14 (3x4)	Catalog
ACTIVE	MPQ8636-4	4A, 4.5-18V, CCM, Non Latch-Off OVP/OCP, COT Synchronous Step-down Converter	4.5	18	4	0.86	0.611	1000	External Soft Start, Power Good, Synchronous Rectification	Programmable Frequency	COT with fixed CCM	QFN-16 (3x4)	Industrial
ACTIVE	MP8774	12A, Wide Input 3V-18V, 700kHz Synchronous Step-down Converter with PG and External Soft Start in 3x3mm QFN package	3	18	12	0.1	0.6	700	Power Good, Synchronous Rectification		COT	QFN-16 (3x3)	Catalog
ACTIVE	MPQ8634B	16V, 20A, Sync, Step-Down Converter with Adjustable Current Limit, Programmable Frequency, and Voltage Tracking	2.7	16	20	0.65	0.9	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Differential Output Voltage Remote Sense, Output Discharge, Precision Reference Voltage, Programmable Current Limit, Programmable Frequency, Voltage Tracking	COT	QFN-21 (3x4)	Industrial
ACTIVE	MPQ8626	16V, 6A, High Efficiency, Synchronous, Step-Down Converter with Adjustable Current Limit	2.85	16	6	0.65	0.6	2000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Output Discharge, Precision Reference Voltage, Programmable Current Limit, Programmable Frequency, Voltage Tracking	COT	QFN-14 (2x3)	Industrial



DC-DCコンバータ

ステータス	型番	基本仕様	Vin (min) (V)	Vin (max) (V)	Iout (max) (A)	Iq (typ) (mA)	Vfb (V)	fsw (max) (kHz)	Common Features	Special Features	Control Mode	Package	Grade
ACTIVE	MPQ8623	16V, 6A, High Efficiency, Synchronous, Step-Down Converter with Adjustable Current Limit	2.85	16	6	0.65	0.9	2000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Output Discharge, Precision Reference Voltage, Programmable Current Limit, Programmable Frequency, Voltage Tracking	COT	QFN-14 (2x3)	Industrial
ACTIVE	MP2223	18V, Dual-Channel 3A/2A, 540kHz, Synchronous, Step-Down Converter in 8-Pin TSOT23 Package	4.5	18	2	1	0.8	540	Dual Output, Light-Load Efficiency, Synchronous Rectification	180° Phase-Shifted Operation	Current Mode	TSOT23-8	Catalog
ACTIVE	MP1479	18V, 1A, 800kHz, High-Efficiency, Synchronous, Step-Down Converter in SOT563 Package	4.2	18	1	0.19	0.805	800	Light-Load Efficiency, Synchronous Rectification		COT	SOT563	Catalog
ACTIVE	MP1476L	3.9V-18V, 2A, 800kHz High-Efficiency, Synchronous, Step-Down Converter In a SOT563 Package	3.9	18	2	0.19	0.807	800	Light-Load Efficiency, Synchronous Rectification		COT	SOT563	Catalog
ACTIVE	MP1476	18V, 2A, 800kHz, High-Efficiency, Synchronous, Step-Down Converter in SOT563 Package	4.2	18	2	0.19	0.805	800	Light-Load Efficiency, Synchronous Rectification		COT	SOT563	Catalog
ACTIVE	MP8772	12A, 17V, 700kHz Synchronous Step-down Converter with PG and External Soft Start in 3x3mm QFN package	3	17	12	0.1	0.6	700	Power Good, Synchronous Rectification		COT	QFN-16 (3x3)	Catalog
ACTIVE	MP2224	High-Efficiency, 4A, 18V, 500kHz Synchronous Step-Down Converter	4.5	18	4	0.32	0.6	500	Light-Load Efficiency, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Catalog
ACTIVE	MP8770	17V, 8A, 700kHz, High-Efficiency, Synchronous, Step-Down	3	17	8	0.1	0.6	700	Power Good, Synchronous Rectification		COT	QFN-16 (3x3)	Catalog
ACTIVE	MPQ8633B	16V, 20A, Synchronous, Step-Down Converter with Adjustable Current Limit, Programmable Frequency, and Voltage Tracking	2.7	16	20	0.65	0.6	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Differential Output Voltage Remote Sense, Output Discharge, Precision Reference Voltage, Programmable Current Limit, Programmable Frequency, Voltage Tracking	COT	QFN-21 (3x4)	Industrial
ACTIVE	MPQ8633A	16V, 12A, Synchronous Step-Down Converter with Adjustable Current Limit, Programmable Frequency, and Voltage Tracking	2.7	16	12	0.65	0.6	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Differential Output Voltage Remote Sense, Output Discharge, Precision Reference Voltage, Programmable Current Limit, Programmable Frequency, Voltage Tracking	COT	QFN-20 (3x4), QFN-21 (3x4)	Industrial
ACTIVE	MP2276	8A, 2.7-16V Input, High-Efficiency Synchronous Step-Down Converter with Programmable Current Limit and Soft Start Time Selectable Frequency and Mode of Operation	2.7	16	8	0.6	0.8	2000	Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Current Limit, Programmable Frequency	COT	QFN-14 (2x3)	Catalog
ACTIVE	MP92265	High-Efficiency, 5A, 18V, 500kHz, with AAM (Light Load Mode) Synchronous Step-Down Converter in TSOT23-8	6	18	5	0.32	0.6	500	External Soft Start, Light-Load Efficiency, Synchronous Rectification		Current Mode	TSOT23-8	Catalog
ACTIVE	MP2319	High-Efficiency, 3A, 18V, 650kHz Synchronous, Step-Down Converter In a 8-Pin TSOT 23	4.5	18	3	0.27	0.8	650	Light-Load Efficiency, Power Good, Synchronous Rectification	Output Discharge	COT	TSOT23-8	Catalog
ACTIVE	MP2321	19V, 2A, 40µA Iq, High-Efficiency, Constant-On-Time, Step-Down Converter in a QFN (2mmx3mm) Package	4	19	2	0.04	0.6	0	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-14 (2x3)	Catalog
ACTIVE	MP2316	3A, 19V, 40µA Iq, High Efficiency, Step-Down Converter with PG and External SS	4	19	3	0.04	0.6	0	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-14 (2x3)	Catalog
ACTIVE	NB636	High Efficiency 5A, 16V, 500kHz Synchronous Step-Down Converter	4.5	16	5	0.7	0.805	500	Light-Load Efficiency, Synchronous Rectification	External Frequency Sync		QFN-14 (3x4)	Catalog
ACTIVE	MPQ8636-20	20A, 4.5-18V, CCM, Non-latch OVP, COT Synchronous Step-down Converter	4.5	18	20	0.86	0.611	1000	External Soft Start, Power Good, Synchronous Rectification	Programmable Frequency	COT with fixed CCM	QFN-25 (5x4), QFN-29 (5x4)	Industrial
ACTIVE	MP38900	Wide Vin 4.5-16V, 10A, COT Synchronous Step-Down Converter with OCP Latch Off and Soft SHDN, External Bias Needed	4.5	16	10	0.04	0.815	0	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency, Soft Stop	COT	QFN-20 (3x4)	Catalog
ACTIVE	MP2259	1A, 16V, 1.4MHz Asynchronous Step-Down Converter	4.5	16	1	1	0.81	1400			Current Mode	SOT23-6, TSOT23-6	Catalog
ACTIVE	MPQ8634A	16V, 12A, Sync, Step-Down Converter with Adjustable Current Limit, Programmable Frequency, and Voltage Tracking	2.7	16	12	0.65	0.9	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Differential Output Voltage Remote Sense, Output Discharge, Precision Reference Voltage, Programmable Current Limit, Programmable Frequency, Voltage Tracking	COT	QFN-21 (3x4)	Industrial
ACTIVE	MP1477	17V, 3A, 800kHz, High-Efficiency, Synchronous, Step-Down Converter with COT Control in SOT563 Package	4.2	17	3	0.2	0.805	800	Light-Load Efficiency, Synchronous Rectification		COT	SOT563	Catalog
ACTIVE	MP1477H	17V, 3A, 1.2MHz, High-Efficiency, Synchronous, Step-Down Converter in a SOT563 Package	4.2	17	3	0.2	0.805	1200	Light-Load Efficiency, Synchronous Rectification		COT	SOT563	Catalog
ACTIVE	MP8771	18V, 10A, 700kHz, High-Efficiency, Synchronous, Step-Down Converter	4.5	17	10	0.1	0.6	700	Power Good, Synchronous Rectification		COT	QFN-16 (3x3)	Catalog
ACTIVE	MP8796B	16V, 30A, Scalable, Digital, Synchronous Step-Down Converter with PMBus	4	16	30	2.5	0.6	1000	Internal Soft Start, Power Good, Synchronous Rectification	Programmable Frequency, PMBus™ interface, Output Current Limit	COT	TQFN-25 (4mmx5mm)	Catalog
ACTIVE	MP1499	High Efficiency, 5A peak, 16V, 500kHz, with SS, Synchronous Step-Down Converter in QFN 2x3mm	4.5	16	5	0.6	0.807	500	External Soft Start, Light-Load Efficiency, Synchronous Rectification	External Frequency Sync	Current Mode	QFN-10 (2x3)	Catalog
ACTIVE	MP2228	High-Efficiency, 2A, 16V, 800kHz, Synchronous, Step-Down Converter with External Soft Start and Light Load Mode	6	16	2	0.55	0.807	800	External Soft Start, Light-Load Efficiency, Synchronous Rectification		Current Mode	TSOT23-8	Catalog
ACTIVE	MP2233	High Efficiency, 3A, 16V, higher Fsw 1.4MHz, with SS, Synchronous Step-Down Converter	4.5	16	3	0.6	0.8	1400	External Soft Start, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Catalog
ACTIVE	MP2240	High-Efficiency, 3A, 16V, 800kHz, Synchronous, Step-Down Converter with External Soft Start and Light Load Mode	6	16	3	0.75	0.807	800	External Soft Start, Light-Load Efficiency, Synchronous Rectification		Current Mode	TSOT23-8	Catalog
ACTIVE	MP38873	15A, 16V, High Frequency Step-Down Converter with Synchronous Gate Driver	4.5	16	15	1	0.81	400	External Soft Start, Power Good, Synchronous Rectification	External Frequency Sync		QFN-20 (3x4)	Catalog
ACTIVE	MP38875	15A, 16V, 800kHz Step-Down Converter with Synchronous Gate Driver	4.5	16	15	1	0.81	800	External Soft Start, Power Good, Synchronous Rectification	External Frequency Sync		QFN-20 (3x4)	Catalog
ACTIVE	MP38900-B	Wide Vin 4.5-16V, 10A, COT Synchronous Step-Down Converter with OCP Hiccup and Hi-Z SHDN, Internal Bias Supply	4.5	16	10	0.42	0.815	0	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-20 (3x4)	Catalog
ACTIVE	MPQ8632H-10	10A, 2.5V-18V, DCM, Non-Latch OVP, COT Synchronous Step-Down Converter	2.5	18	10	0.86	0.611	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-13 (3x4), QFN-16 (3x4)	Industrial
ACTIVE	MPQ8636H-10	10A, 4.5-18V, CCM, Non-latch OVP, COT Synchronous Step-down Converter	4.5	18	10	0.86	0.611	1000	External Soft Start, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-13 (3x4), QFN-16 (3x4)	Industrial
ACTIVE	MPQ8636-10	10A, 4.5-18V, CCM, Latch-off OVP, COT Synchronous Step-down Converter	4.5	18	10	0.86	0.611	1000	External Soft Start, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-13 (3x4), QFN-16 (3x4)	Industrial
ACTIVE	MPQ8632-20	20A, 2.5V-18V, DCM, Non-Latch OVP, COT Synchronous Step-Down Converter	2.5	18	20	0.86	0.611	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-25 (5x4), QFN-29 (5x4)	Industrial
ACTIVE	MPQ8632-15	15A, 2.5V-18V, DCM, Non-Latch OVP, COT Synchronous Step-Down Converter	2.5	18	15	0.86	0.611	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-25 (5x4), QFN-29 (5x4)	Industrial
ACTIVE	MPQ8632-12	12A, 2.5V-18V, DCM, Non-Latch OVP, COT Synchronous Step-Down Converter	2.5	18	12	0.86	0.611	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-13 (3x4), QFN-16 (3x4)	Industrial
ACTIVE	MPQ8632-10	10A, 2.5-18V, DCM, Latch-off OVP, COT Synchronous Step-down Converter	2.5	18	10	0.86	0.611	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-13 (3x4), QFN-16 (3x4)	Industrial
ACTIVE	MPQ8632-8	8A, 2.5V-18V, DCM, Non-Latch OVP, COT Synchronous Step-Down Converter	2.5	18	8	0.86	0.611	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-13 (3x4), QFN-16 (3x4)	Industrial



DC-DCコンバータ

ステータス	型番	基本仕様	Vin (min) (V)	Vin (max) (V)	Iout (max) (A)	Iq (typ) (mA)	Vfb (V)	fsw (max) (kHz)	Common Features	Special Features	Control Mode	Package	Grade
ACTIVE	MPQ8632-6	6A, 2.5V-18V, DCM, Non-Latch OVP, COT Synchronous Step-Down Converter	2.5	18	6	0.86	0.611	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-13 (3x4), QFN-16 (3x4)	Industrial
ACTIVE	MPQ8632-4	4A, 2.5V-18V, DCM, Non-Latch OVP, COT Synchronous Step-Down Converter	2.5	18	4	0.86	0.611	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-13 (3x4), QFN-16 (3x4)	Industrial
ACTIVE	MP2495	Integrated 100V Load Dump Protection, 2A Step Down Regulator with Output Current Control	6.5	16	2	0.5	0.805	700	External Soft Start		Current Mode	SOIC-16	Catalog
ACTIVE	MP2328	PRE-RELEASE MPL High-Efficiency, 28V, 2A, 430kHz, Synchronous Step-Down Converter in SOT583 Package	4.5	28	2	0.16	0.5	430	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification		COT	SOT583	Catalog
NEW	MP2329C	24V, 6.5A, Low I Q, Synchronous Buck Converter with Forced Continuous Conduction Mode (CCM)	4.5	24	6.5	0.105	0.6	700	Forced CCM, Power Good, Synchronous Rectification	Output Discharge	COT	QFN-11 (2x2)	Catalog
NEW	MP2331H	24V, 2A, 1.2MHz, Synchronous Buck Converter	4.2	24	2	0.2	0.805	1200	External Soft Start, Forced CCM, Power Good, Synchronous Rectification		COT	SOT583	Catalog
NEW	MP2386	24V, 8A, Low I Q, Synchronous Buck Converter	4.5	24	8	0.105	0.6	700	Power Good, Synchronous Rectification	Output Discharge	COT	QFN-11 (2x2)	Catalog
NEW	MP2344	26V, 2A, 600kHz, High-Efficiency, Synchronous Step-Down Converter	7.5	26	2	0.17	0.791	600	Light-Load Efficiency, Synchronous Rectification	Optimized for Low EMI	Current Mode	TSOT23-6	Catalog
NEW	MP2331C	24V, 2A, 650kHz, Synchronous Step-Down Converter with PG, SS, Forced CCM in 1.6x2.1mm SOT583 Package	4.2	24	2	0.2	0.805	650	External Soft Start, Forced CCM, Power Good, Synchronous Rectification		COT	SOT583	Catalog
NEW	MP2330C	24V, 3A, 650kHz, Synchronous Step-Down Converter with PG, SS, and Forced CCM in SOT583 (1.6x2.1mm) Package	4.2	24	3	0.2	0.805	650	External Soft Start, Forced CCM, Power Good, Synchronous Rectification		COT	SOT583	Catalog
NEW	MP2345	26V, 2.5A, 600kHz, High-Efficiency, Synchronous, Step-Down Converter	7.5	26	2.5	0.17	0.791	600	Light-Load Efficiency, Synchronous Rectification	Optimized for Low EMI	Current Mode	TSOT23-6	Catalog
NEW	MP2330H	24V, 3A, 1.2MHz, Synchronous Buck Converter	4.2	24	3	0.2	0.805	1200	External Soft Start, Forced CCM, Power Good, Synchronous Rectification		COT	SOT583	Catalog
NEW	MP2348	High-Efficiency, 4A, 24V, 650kHz, Synchronous Step-Down Converter in SOT583 Package	4.2	24	4	0.2	0.802	650	External Soft Start, Light-Load Efficiency, Synchronous Rectification	Selectable PSM/USM/FCCM	COT	SOT583	Catalog
NEW	MP2322	1A, 3-22V, 5μA I Q, Synchronous, Step-Down Converter in 1.5x2mm QFN	3	22	1	0.005	0.6	1250	Light-Load Efficiency, Power Good, Synchronous Rectification	Output Discharge, Selectable Power-Saving Mode	COT	QFN-8 (1.5x2.0)	Catalog
ACTIVE	NB676A	8A, 24V, Fixed 5.15V, COT Synchronous Buck Converter with LDO	6.5	24	8	0.205		500	Light-Load Efficiency, Power Good, Synchronous Rectification	Fixed Output, Output Discharge	COT	QFN-16 (3x3)	Catalog
ACTIVE	NB685	Wide Vin 4.5-26V, 12A, Low Iq, High Current Synchronous Buck Converter with +/-1A LDO and Buffered Reference	4.5	26	12	0.185	0.6	700	Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency, Soft Stop, Ultrasonic Mode	COT	QFN-16 (3x3)	Catalog
ACTIVE	NB681	Wide Vin 4.5-26V, 6A, Low Iq, High Current Synchronous Buck Converter with 2-Bit VID	4.5	26	6	0.15	0.6	750	Light-Load Efficiency, Power Good, Synchronous Rectification	Output Adjustable by 2-Bit VID, Output Discharge, Ultrasonic Mode	COT	QFN-13 (2x3)	Catalog
ACTIVE	NB679	Wide Vin 5.5-26V, Low Iq, High Current, Fixed 5V-8A Synchronous Buck Converter with 100mA LDO	5.5	26	8	0.11	5	700	Light-Load Efficiency, Power Good, Synchronous Rectification	Output Discharge, Ultrasonic Mode	COT	QFN-12 (2x3)	Catalog
ACTIVE	NB680	Wide Vin 4.8-26V, Low Iq, High Current, Fixed 3.3V-8A Synchronous Buck Converter with 100mA LDO	4.8	26	8	0.12	3.3	700	Light-Load Efficiency, Power Good, Synchronous Rectification	Output Discharge, Ultrasonic Mode	COT	QFN-12 (2x3)	Catalog
ACTIVE	MP2229	High Efficiency, 21V, 6A, Synchronous Step-Down Converter with External Sync, Low-Power Mode, and External Soft Start	4.5	21	6	0.4	0.6	2000	External Soft Start, Light-Load Efficiency, Synchronous Rectification	External Frequency Sync, Programmable Frequency	Current Mode	QFN-14 (3x3)	Catalog
ACTIVE	MP2313	1A, 24V, 2MHz, Synchronous Step-Down Converter With Light Load Mode	4.5	24	1	0.7	0.798	2000	Light-Load Efficiency, Synchronous Rectification		Current Mode	TSOT23-8	Catalog
ACTIVE	NB671LB	Wide Vin 4.5-24V, 6A, COT Synchronous Step-down Converter with Low Quiescent Current	4.5	24	6	0.12	0.604	500	Light-Load Efficiency, Power Good, Synchronous Rectification	Output Discharge	COT	QFN-16 (3x3)	Catalog
ACTIVE	MPQ2362	Industrial Grade, Dual 2A, 23V, 380kHz Step-Down Converter with Frequency Synchronization	4.75	23	2	2	1.222	380		External Frequency Sync	Current Mode	TSSOP20F	Industrial
ACTIVE	NB672	High-Efficiency, Fast-Transient, 6A, 24V, Fully-Integrated COT Synchronous Buck with +/-1.5A LDO and Buffered Reference	5	24	6	0.4	0.604	500	Light-Load Efficiency, Power Good, Synchronous Rectification	Output Discharge	COT	QFN-21 (3x4)	Catalog
ACTIVE	NB673	High-Efficiency, Fast-Transient, 8A, 24V, Fully-Integrated COT Synchronous Buck with +/-1.5A LDO and Buffered Reference	5	24	8	0.4	0.604	500	Light-Load Efficiency, Power Good, Synchronous Rectification	Output Discharge	COT	QFN-21 (3x4)	Catalog
ACTIVE	NB679A	Wide Vin 5.5-26V, Low Iq, High Current, Fixed 5.1V-8A Synchronous Buck Converter with 100mA LDO and LP# Vout Scaling	5.5	26	8	0.11	5.1	700	Light-Load Efficiency, Power Good, Synchronous Rectification	LP# Output Voltage Scaling, Output Discharge, Ultrasonic Mode	COT	QFN-12 (2x3)	Catalog
ACTIVE	NB671LA	Wide Vin 5.5-24V, 6A, COT Synchronous Step-down Converter with Low Quiescent Current	5.5	24	6	0.12	0.604	500	Light-Load Efficiency, Power Good, Synchronous Rectification	Output Discharge	COT	QFN-16 (3x3)	Catalog
ACTIVE	NB650A	High-Efficiency, Fast-Transient, 6A, 28V Synchronous Step-Down Converters with 2-Bit VID, OCP Latch-Off Mode	4.5	28	6	0.4	0.6	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Dynamic Voltage Scaling, Programmable Frequency, Soft Stop	COT	QFN-17 (3x4)	Catalog
ACTIVE	NB676	High-Efficiency, Fast-Transient, 8A, 24V, Low Rds(on) 26mΩ/12mΩ, Fully-Integrated COT Synchronous Buck with 5V LDO	6.5	24	8	0.205	0.6	500	Light-Load Efficiency, Power Good, Synchronous Rectification	Fixed Output, Output Discharge	COT	QFN-16 (3x3)	Catalog
ACTIVE	NB677	High-Efficiency, Fast-Transient, 8A, 24V, Low Rds(on) 26mΩ/12mΩ, Fully-Integrated COT Synchronous Buck with 3.3V LDO	5.5	24	8	0.205	0.6	500	Light-Load Efficiency, Power Good, Synchronous Rectification	Fixed Output, Output Discharge	COT	QFN-16 (3x3)	Catalog
ACTIVE	MP2318	2A, 24V, 2MHz, Synchronous Step-Down Converter With Light Load Mode	4.5	24	2	0.7	0.798	2000	Light-Load Efficiency, Synchronous Rectification		Current Mode	TSOT23-8	Catalog
ACTIVE	MP2325	3A, 24V, 500kHz, Synchronous Step-Down Converters With PG, Light Load Mode and Low Iq	4.5	24	3	0.18	0.791	500	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Catalog
ACTIVE	MP2324	2A, 24V, 500kHz, Synchronous Step-Down Converters With PG, Light Load Mode and Low Iq	4.5	24	2	0.18	0.791	500	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Catalog
ACTIVE	NB671L	Wide Vin 5.5-24V, 6A, COT Synchronous Step-down Converter with Low Quiescent Current	5.5	24	6	0.12	0.604	500	Light-Load Efficiency, Power Good, Synchronous Rectification	Output Discharge	COT	QFN-16 (3x3)	Catalog
ACTIVE	NB680A	Wide Vin 5.5-26V, Low Iq, High Current, Fixed 3.36V-8A Synchronous Buck Converter with 100mA LDO and LP# Vout Scaling	5.5	26	8	0.11	3.36	700	Light-Load Efficiency, Power Good, Synchronous Rectification	LP# Output Voltage Scaling, Output Discharge, Ultrasonic Mode	COT	QFN-12 (2x3)	Catalog
ACTIVE	NB685A	Wide Vin 4.5-26V, 12A, Low Iq, High Current Synchronous Buck Converter with +/-1A LDO and Buffered Reference	4.5	26	12	0.185	0.6	700	Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency, Soft Stop, Ultrasonic Mode	COT	QFN-16 (3x3)	Catalog
ACTIVE	NB670	Wide Vin 5-24V, 6A, 3.3V Fixed Output COT Synchronous Step-down Converter with LDO	5	24	6	0.22	0.6	500	Light-Load Efficiency, Power Good, Synchronous Rectification	Fixed Output, Output Discharge	COT	QFN-16 (3x3)	Catalog
ACTIVE	MP9756	26V, 6A, Low Iq, High-Current, Synchronous, Step-Down Converter	4.5	26	6	0.117	0.6	700	Light-Load Efficiency, Power Good, Synchronous Rectification	DC Auto-Tune Loop, Ultrasonic Mode	COT	QFN-12 (2x3)	Catalog
ACTIVE	MP2395	28V, 3A Peak, High-Efficiency, Synchronous, Step-Down Converter with Power Good in QFN 3x3	4	28	3	0.5	0.792	410	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	QFN-8 (3x3)	Catalog
ACTIVE	MP2394	28V, 2A, 410kHz, High-Efficiency, Synchronous, Step-Down Converter with Power Good in TSOT23	4	28	2	0.5	0.792	410	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Catalog
ACTIVE	MP2393	24V, 3A, 650kHz, Synchronous Step-Down Converter with PG, SS, in 1.6x2.1mm SOT583 Package	4.2	24	3	0.2	0.805	650	Power Good, Synchronous Rectification		COT	SOT583	Catalog
ACTIVE	MP2392	High-Efficiency, 2A, 4.2 to 24V, 650kHz, Synchronous, DC Step-Down Converter with PG and Soft Start In SOT583	4.2	24	2	0.2	0.805	650	External Soft Start, Power Good, Synchronous Rectification		COT	SOT583	Catalog
ACTIVE	MP2384	4.5 to 24V, 4A, Low Iq, Synchronous Buck Converter	4.5	24	4	0.105	0.6	700	Power Good, Synchronous Rectification	Output Discharge	COT	QFN-11 (2x2)	Catalog
ACTIVE	MP8720	26V, 10A, High Efficiency, Fast Transient, Synchronous, Buck Converter with adjustable CLM	4.5	26	10		0.62	700	Forced CCM, Power Good, Synchronous Rectification	Output Discharge, Soft Stop	COT	QFN-16 (3x3)	Catalog
ACTIVE	MP8719	26V, 12A, Low I Q, High-Current, Synchronous Buck Converter with ± A LDO and Buffered Reference	4.5	26	13	0.135	0.62	700	Forced CCM, Power Good	Output Discharge, Programmable Frequency, Soft Stop, Ultrasonic Mode	COT	QFN-16 (3x3)	Catalog
ACTIVE	MPQ2325	Industrial Grade, 3A, 24V, 500kHz, Synchronous Step-Down Converters With PG, Light Load Mode and Low Iq	4.5	24	3	0.18	0.791	500	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Industrial
ACTIVE	MP8759	26V, 8A, Low Iq, High-Current, Synchronous, Step-Down Converter	4.5	26	8	0.117	0.6	700	Light-Load Efficiency, Power Good, Synchronous Rectification	DC Auto-Tune Loop, Ultrasonic Mode	COT	QFN-12 (2x3)	Catalog
ACTIVE	MP2388	High Efficiency 1A, 21V, 2MHz Synchronous Step Down Converter in Ultra-thin	4.5	21	1	0.2	0.798	2000	Light-Load Efficiency, Synchronous Rectification		Current Mode	QFN-8 (2.5x1.5)	Catalog
ACTIVE	NB686	Wide Vin 4.5-26V, 8A, Low Iq, High Current Synchronous Buck Converter with +/-1A LDO and Buffered Reference	4.5	26	8	0.185	0.6	700	Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency, Soft Stop, Ultrasonic Mode	COT	QFN-16 (3x3)	Catalog
ACTIVE	MP92325	24V, 3A, 500kHz, High Efficiency, Synchronous, Step-Down Converter, Synchronous Step-Down Switcher, AEC-Q100 Qualified	4.5	24	3	0.18	0.791	500	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Catalog
ACTIVE	MP2317	26V, 1A, 600kHz, High-Efficiency, Synchronous, Step-Down Converter	7.5	26	1	0.15	0.791	600	Light-Load Efficiency, Synchronous Rectification		Current Mode	TSOT23-6	Catalog



DC-DCコンバータ

ステータス	型番	基本仕様	Vin (min) (V)	Vin (max) (V)	Iout (max) (A)	Iq (typ) (mA)	Vfb (V)	fsw (max) (kHz)	Common Features	Special Features	Control Mode	Package	Grade
ACTIVE	MP2315S	3A, 24V, 500kHz, High-Efficiency, Synchronous, Step-Down Converter	4.5	24	3	0.12	0.791	500	Light-Load Efficiency, Synchronous Rectification		Current Mode	TSOT23-8	Catalog
ACTIVE	MP2314S	2A, 24V, 500kHz, High-Efficiency, Synchronous, Step-Down Converter	4.5	24	2	0.12	0.791	500	Light-Load Efficiency, Synchronous Rectification		Current Mode	TSOT23-8	Catalog
ACTIVE	MP8758H	10A, 22V, Synchronous Step-Down Converter with Hiccup OCP, PFM/PWM Mode Selection	4.5	22	10	0.19	0.604	500	Light-Load Efficiency, Power Good, Synchronous Rectification	Output Discharge	COT	QFN-21 (3x4)	Catalog
ACTIVE	MPQ2315	Industrial Grade, High Efficiency 3A, 24V, 500kHz, with AAM (light load mode), Synchronous Step Down Converter in TSOT23-8	4.5	24	3	0.18	0.791	500	Light-Load Efficiency, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Industrial
ACTIVE	MPQ2314	Industrial Grade, High Efficiency 2A, 24V, 500kHz, with AAM (light load mode), Synchronous Step Down Converter in TSOT23-8	4.5	24	2	0.18	0.791	500	Light-Load Efficiency, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Industrial
ACTIVE	NB682	Wide Vin 4.5-26V, 3A, Wide Output, Sync Buck with 2-Bit VID	4.5	26	3	0.15	0.6	750	Light-Load Efficiency, Power Good, Synchronous Rectification	Output Adjustable by 2-Bit VID, Output Discharge, Ultrasonic Mode	COT	QFN-13 (2x3)	Catalog
ACTIVE	NB681A	Wide Vin 4.5-26V, 6.5A, Low Iq, High Current Sync Buck with 2-Bit VID	4.5	26	6.5	0.15	0.6	750	Light-Load Efficiency, Power Good, Synchronous Rectification	Output Adjustable by 2-Bit VID, Output Discharge, Ultrasonic Mode	COT	QFN-13 (2x3)	Catalog
ACTIVE	NB671A	Wide Vin 5-24V, 6A, COT Synchronous Step-down Converter w/ 7mS Internal Soft Start	5	24	6	0.16	0.604	500	Light-Load Efficiency, Power Good, Synchronous Rectification	Output Discharge	COT	QFN-16 (3x3)	Catalog
ACTIVE	MP8765	24V, 6A High Efficiency Synchronous Step-down Converter with Hiccup OCP, PFM/PWM mode pin and output discharge	5	24	6	0.16	0.604	500	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Output Discharge	COT	QFN-16 (3x3)	Catalog
ACTIVE	MP2384C	24V, 4A, Low IQ, Synchronous Buck Converter with Forced Continuous Conduction Mode (CCM)	4.5	24	4	0.105	0.6	700	Forced CCM, Power Good, Synchronous Rectification	Output Discharge	COT	QFN-11 (2x2)	Catalog
ACTIVE	MPQ2362-AEC1	Dual 2A, 23V, 380kHz Step-Down Converter with Frequency Synchronization with AEC-Q100 qualified	4.75	23	2	2	1.222	380		External Frequency Sync	Current Mode	TSSOP20F	Automotive
ACTIVE	MP38876	15A, 28V, High Frequency Step-Down Converter with Synchronous Gate Driver	4.5	28	15	1	0.81	400	External Soft Start, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	QFN-20 (3x4)	Catalog
ACTIVE	MP28259-A	MP28259 Hiccup Version, 2A, 4.2V to 20V, COT, Sync Step-Down Converter with Programmable Frequency	4.2	20	2	0.36	0.815	0	Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-12 (2x3)	Catalog
ACTIVE	NB650H	Wide Vin 4.5-28V, 6A, OCP Latch-Off Mode, COT Synchronous Step-Down Converter with 2-Bit VID	4.5	28	6	0.4	0.6	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Dynamic Voltage Scaling, Programmable Frequency, Soft Stop	COT	QFN-17 (3x4)	Catalog
ACTIVE	MP2305S	2A, 23V Synchronous Rectified Step-Down Converter	4.75	23	2	1.3	0.923	340	External Soft Start, Synchronous Rectification			SOIC-8	Catalog
ACTIVE	MP29373	Dual 1.5A, 23V, 1.4MHz Asynchronous Step-Down Converter. Available in a TSSOP20 Package with Exposed Pad	4.75	23	1.5	2.4	0.92		Dual Output, External Soft Start	Programmable UVLO	Current Mode	TSSOP20F	Catalog
ACTIVE	MP28372	Dual 1.5A, 23V, 1.4MHz Step-Down Converter. Available in TSSOP20 with Exposed Pad and SOIC Packages	4.75	23	1.5	2.4	0.92	1400	Dual Output, External Soft Start	Programmable UVLO		SOIC-16, TSSOP20F	Catalog
ACTIVE	MP2364	Dual 1.5A, 23V, 1.4MHz Step-Down Converter	4.75	23	1.5	2.4	0.92	1400	Dual Output, External Soft Start	Programmable UVLO		TSSOP20F	Catalog
ACTIVE	MP8664	4A, 21V High Efficiency Synchronous Step-Down Converter with I2C Interface	4.5	21	4	0.5	0.6	1600	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	I2C Interface, Programmable Frequency, Programmable Output Voltage, Selectable Power-Saving Mode	Current Mode	QFN-15 (3x3)	Catalog
ACTIVE	MP8642	Dual 3A, 23V, 600kHz Step-Down Converter with Frequency Synchronization	4.5	23	3	0.9	0.808	600	Power Good, Synchronous Rectification	External Frequency Sync		QFN-32 (5x5)	Catalog
ACTIVE	MP8665	6A, 21V High Efficiency Synchronous Step-Down Converter with I2C Interface	4.5	21	6	0.5	0.6	1600	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	I2C Interface, Programmable Frequency, Programmable Output Voltage, Selectable Power-Saving Mode	Current Mode	QFN-15 (3x3)	Catalog
ACTIVE	MP28373	3A, 28V, 1.4MHz Step-Down Converter	4.75	28	3	1.3	0.92	1400	External Soft Start			SOIC-8N	Catalog
ACTIVE	MP28368	1.8A, 24V, 1.4MHz Step-Down Converter	4.5	24	1.8	0.8	0.81	1400				QFN-8 (2x2)	Catalog
ACTIVE	MP28367	1A, 21V, 1.4MHz Asynchronous Step-Down Converter in a TSOT23-6	6	21	1	0.8	0.81	1400			Current Mode	TSOT23-6	Catalog
ACTIVE	MP2372	3A, 28V, 925kHz Step-Down Converter	4.5	28	3	1.3	0.92	925	External Soft Start		Current Mode	SOIC-8N	Catalog
ACTIVE	MP2355	3A, 23V, 380kHz Step-Down Converter	4.75	23	3	1	1.222	380	External Soft Start			SOIC-8N	Catalog
ACTIVE	MP1593	3A, 28V, 385kHz Step-Down Converter	4.75	28	3	1	1.222	385	External Soft Start				Catalog
ACTIVE	MP2329	4.5 to 24V, 6.5A, Low IQ, Synchronous Buck Converter	4.5	24	6.5	0.105	0.6	700	Power Good, Synchronous Rectification	Output Discharge	COT	QFN-11 (2x2)	Catalog
ACTIVE	MP8619	8A, 25V, 600kHz Synchronous Step-down Converter	4.5	25	8	0.7	0.808	600	Power Good, Synchronous Rectification	External Frequency Sync		QFN-30 (5x6)	Catalog
ACTIVE	NB669	Wide Vin 6.5-24V, 6A, 5V Fixed Output COT Synchronous Step-down Converter with LDO	6.5	24	6	0.22	0.6	500	Light-Load Efficiency, Power Good, Synchronous Rectification	Fixed Output, Output Discharge/Soft Stop	COT	QFN-16 (3x3)	Catalog
ACTIVE	MP8715	100% Duty Cycle Synchronous 4A, 21V, 500kHz Step-Down Converter	4.5	21	4	0.66	0.805	500	External Soft Start, Power Good, Synchronous Rectification	100% Duty Cycle, External Frequency Sync	Current Mode	QFN-14 (3x4)	Catalog
ACTIVE	NB632	High Efficiency 4A, 24V, 500kHz Synchronous Step-Down Converter	4.5	24	4	1	0.805	500	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync		QFN-14 (3x4)	Catalog
ACTIVE	NB650	Wide Vin 4.5-28V, 6A, OCP Hiccup Mode, COT Synchronous Step-Down Converter with 2-Bit VID	4.5	28	6	0.4	0.6	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Dynamic Voltage Scaling, Programmable Frequency, Soft Stop	COT	QFN-17 (3x4)	Catalog
ACTIVE	NB649	8A, 25V, 600kHz Synchronous Step-Down Converter with Integrated LDO	5.5	25	8	0.85	0.808	600	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync		QFN-30 (5x6)	Catalog
ACTIVE	NB648	High Efficiency 8A, 25V, 580kHz Synchronous Step-Down Converter	4.5	25	8	0.7	0.808	580	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync		QFN-30 (5x6)	Catalog
ACTIVE	NB639	Wide Vin 4.5-28V, 8A, COT Synchronous Step-Down Converter, External Bias Needed	4.5	28	8	0.04	0.815	0	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency, Soft Stop	COT	QFN-20 (3x4)	Catalog
ACTIVE	NB6381	Wide Vin 4.5-28V, 8A, COT Synchronous Step-Down Converter with Internal Bias Supply	4.5	28	8	0.5	0.815	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency, Soft Stop	COT	QFN-20 (3x4)	Catalog
ACTIVE	NB637	High Efficiency 24V, 500kHz Synchronous Step-down Converter	7	24	6	1	0.805	500	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync		QFN-14 (3x4)	Catalog
ACTIVE	NB634	High Efficiency 5A, 24V, 500kHz Synchronous Step-down Converter	4.5	24	5	1	0.805	500	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync		QFN-14 (3x4)	Catalog
ACTIVE	NB633	High Efficiency 3A, 24V, 500kHz Synchronous Step-down Converter	4.5	24	3	1	0.805	500	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync		QFN-14 (3x4)	Catalog
ACTIVE	NB638	Wide Vin 4.5-28V, 7A, COT Synchronous Step-Down Converter with Internal Bias Supply, Ultra-Sonic Mode at Light Load	4.5	28	7	0.5	0.815	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency, Soft Stop	COT	QFN-20 (3x4)	Catalog
ACTIVE	NB621	8A, 25V, 600kHz Synchronous Step-Down Converter with Integrated LDO	5.5	25	8	1.3	0.808	600	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync		QFN-28 (4x5)	Catalog
ACTIVE	NB619	7A, 25V, 580kHz Step-Down Converter with Synchronizable Gate Driver	4.5	25	7	0.7	0.808	580	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync		QFN-14 (3x4)	Catalog
ACTIVE	MP8768	8A, 28V, 600kHz Step-Down Converter with Synchronizable Gate Driver	4.5	28	8	1	0.808	600	External Soft Start, Power Good, Synchronous Rectification	External Frequency Sync		QFN-14 (3x4)	Catalog
ACTIVE	MP9186	20V, 6A Synchronous, Step-Down Converter with External Soft Start and Programmable Frequency	4.5	20	6	0.8	0.798	2000	External Soft Start, Synchronous Rectification	External Frequency Sync, Programmable Frequency	Current Mode	QFN-14 (3x3)	Catalog
ACTIVE	NB618	7A, 25V, 700kHz Step-Down Converter with Synchronizable Gate Driver	4.5	25	7	1	0.808	700	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync		QFN-14 (3x4)	Catalog
ACTIVE	MPQ28261	21V, 3A, 500kHz Synchronous Step-down Converter	4.5	21	3	0.7	0.603	500	External Soft Start, Power Good, Synchronous Rectification		Current Mode	QFN-14 (3x4)	Industrial
NEW	MP4415A	1.5A, 36V, 2.2MHz, High-Efficiency Synchronous Step-Down Converter	4	36	1.5	0.6	0.807	2200	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	QFN-13 (2.5x3)	Catalog
NEW	MPQ4480	6A, 36V, Step-Down Converter for Automotive, AEC-Q100 Qualified	4.2	36	6	1	1	2200	Synchronous Rectification	External Frequency Sync, Frequency Spread Spectrum, Line Drop Compensation, USB Output Discharge	Current Mode	QFN-25 (4x5)	Automotive
NEW	MP4423H	High Efficiency 3A, 36V, Synchronous Step-Down Converter with PG and Ext. Sync	4	36	3	0.5	0.792	410	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	QFN-8 (3x3)	Catalog



DC-DCコンバータ

ステータス	型番	基本仕様	Vin (min) (V)	Vin (max) (V)	Iout (max) (A)	Iq (typ) (mA)	Vfb (V)	fsw (max) (kHz)	Common Features	Special Features	Control Mode	Package	Grade
NEW	MP2457	36V, 0.6A, 2MHz, Synchronous, Step-Down Converter	5	36	0.6	0.065	0.8	2000	Light-Load Efficiency, Synchronous Rectification		Current Mode	TSOT23-6	Catalog
NEW	MP2491C	32V, 6A, Step-Down Converter with Programmable Current Limit and Output Voltage Scaling Control	4	32	6	0.45	0.5, 0.9, 1.2, 1.5	490	Light-Load Efficiency, Power Good, Synchronous Rectification	Output Discharge, Programmable Current Limit	COT	QFN-13 (2.5x3)	Catalog
ACTIVE	MPQ4430	36V, 3.5A, Low Iq Synchronous Step-Down Converter AEC-Q100 Qualified	3.3	36	3.5	0.01	0.8	2500	External Soft Start, Power Good, Synchronous Rectification	Programmable Frequency	Current Mode	QFN-16 (3x4)	Industrial
ACTIVE	MPQ2454	Industrial Grade, 36V, 0.6A, Low Iq Step-Down Converter with PG and External Soft Start	3.3	36	0.6	0.06	0.8	2300	External Soft Start, Power Good	Programmable Frequency	Current Mode	QFN-10 (3x3)	Industrial
ACTIVE	MP2454	36V, 0.6A, Low Iq Step-Down Converter with PG and External Soft Start	3.3	36	0.6	0.06	0.8	2300	External Soft Start, Power Good	Programmable Frequency	Current Mode	QFN-10 (3x3)	Catalog
ACTIVE	MPQ4473	Industrial Grade, High-Efficiency, Fast-Transient, 3.5A, 36V Synchronous, Step-Down Converter	4.5	36	3.5	0.5	0.815	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-20 (3x4)	Industrial
ACTIVE	MP4473	High-Efficiency, Fast-Transient, 3.5A, 36V Synchronous, Step-Down Converter	4.5	36	3.5	0.5	0.815	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-20 (3x4)	Catalog
ACTIVE	MP4410	36V, 100mA, 20µA Low Iq Synchronous Step-Down Converter	4.5	36	0.1	0.02	1	1000	External Soft Start, Synchronous Rectification	Programmable Frequency	Current Mode	QFN-10 (3x3)	Catalog
ACTIVE	MP9943	High Efficiency 3A Peak, 36V, Synchronous Step Down Converter with Power Good	4	30	3	0.5	0.792	410	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	QFN-8 (3x3)	Catalog
ACTIVE	MPQ4423H	Industrial Grade, High Efficiency 3A, 36V, Synchronous Step Down Converter with PG and Ext. Sync	4	36	3	0.5	0.792	410	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	QFN-8 (3x3)	Industrial
ACTIVE	MP9942	High Efficiency 2A, 36V, 410kHz, Synchronous Step Down Converter with Power Good	4	30	2	0.85	0.792	410	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Catalog
ACTIVE	MPQ4423	Industrial Grade, High Efficiency 3A, 36V max, Synchronous Step Down Converter with PG and Ext. Sync	4	30	3	0.5	0.792	410	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	QFN-8 (3x3)	Industrial
ACTIVE	MP4423	High Efficiency 3A, 36V Max, Synchronous Step Down Converter with PG and Ext. Sync	4	30	3	0.5	0.792	410	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	QFN-8 (3x3)	Catalog
ACTIVE	MPQ4420H	Industrial grade, High Efficiency 2A, 36V, Synchronous Step Down Converter with PG and Ext. Sync	4	36	2	0.5	0.792	410	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Industrial
ACTIVE	MPQ4420	Industrial grade, High Efficiency 2A, 36V max, Synchronous Step Down Converter with PG and Ext. Sync	4	30	2	0.5	0.792	410	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Industrial
ACTIVE	MP4420H	High Efficiency 2A, 36V, Synchronous Step Down Converter with PG and Ext. Sync	4	36	2	0.5	0.792	410	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Catalog
ACTIVE	MP4420	High Efficiency 2A, 36V Max, Synchronous Step-Down Converter with PG and Ext. Sync	4	30	2	0.5	0.792	410	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Catalog
ACTIVE	MP4470A	High-Efficiency, Fast-Transient, 5A, 36V Synchronous, Step-Down Converter	4.5	36	5	0.5	0.815	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-20 (3x4)	Catalog
ACTIVE	MPQ2451	36V, 2MHz, 0.6A Step-Down Converter Industrial-Grade	3.3	36	0.6	0.13	0.794	2000	Light-Load Efficiency	Fixed Output	Current Mode	QFN-6L, SOT23-6L	Industrial
ACTIVE	MP9442	High Efficiency 2A, 36V, 600kHz, Synchronous Step-Down Converter with Power Good	4	36	2	0.5	0.792	600	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Catalog
ACTIVE	MP9473	High-Efficiency, Fast-Transient, 3.5A, 36V Synchronous, Step-Down Converter	4.5	36	3.5	0.5	0.815	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-20 (3x4)	Catalog
ACTIVE	MP4431	36V, 1A, Low Quiescent Current, Synchronous, Step-Down Converter AEC-Q100 Qualified	3.3	36	1	0.01	0.8	2500	External Soft Start, Power Good, Synchronous Rectification	Programmable Frequency	Current Mode	QFN-16 (3x4)	Catalog
ACTIVE	MP4430	36V, 3.5A, Low Quiescent Current, Synchronous, Step-Down Converter AEC-Q100 Qualified	3.3	36	3.5	0.01	0.8	2500	External Soft Start, Power Good, Synchronous Rectification	Programmable Frequency	Current Mode	QFN-16 (3x4)	Catalog
ACTIVE	MPQ4433	Industrial Grade, 36V, 3A, Low Quiescent Current, Synchronous, Step-Down Converter AEC-Q100 Qualified	3.3	36	3	0.01	0.8	2500	External Soft Start, Power Good, Synchronous Rectification	Programmable Frequency	Current Mode	QFN-16 (3x4)	Industrial
ACTIVE	MPQ4432	Industrial Grade, 36V, 2.2A, Low Quiescent Current, Synchronous, Step-Down Converter AEC-Q100 Qualified	3.3	36	2.2	0.01	0.8	2500	External Soft Start, Power Good, Synchronous Rectification	Programmable Frequency	Current Mode	QFN-16 (3x4)	Industrial
ACTIVE	MPQ4431	Industrial Grade, 36V, 1A, Low Quiescent Current, Synchronous, Step-Down Converter AEC-Q100 Qualified	3.3	36	1	0.01	0.8	2500	External Soft Start, Power Good, Synchronous Rectification	Programmable Frequency	Current Mode	QFN-16 (3x4)	Industrial
ACTIVE	MP4433	36V, 3A, Low Quiescent Current, Synchronous, Step-Down Converter AEC-Q100 Qualified	3.3	36	3	0.01	0.8	2500	External Soft Start, Power Good, Synchronous Rectification	Programmable Frequency	Current Mode	QFN-16 (3x4)	Catalog
ACTIVE	MP4432	36V, 2.2A, Low Quiescent Current, Synchronous, Step-Down Converter AEC-Q100 Qualified	3.3	36	2.2	0.01	0.8	2500	External Soft Start, Power Good, Synchronous Rectification	Programmable Frequency	Current Mode	QFN-16 (3x4)	Catalog
ACTIVE	MP4423A	High Efficiency, Force CCM Mode, 3A, 36V, Synchronous Step-Down Converter with PG and Ext. Sync Synchronous Step-Down Switcher AEC-Q100 Qualified	4	36	3	0.6	0.79	410	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	QFN-8 (3x3)	Catalog
ACTIVE	MP9447	High-Efficiency, Fast-Transient, 5A, 36V Synchronous, Step-Down Converter	4.5	36	5	0.5	0.815	650	External Soft Start, Light-Load Efficiency, Synchronous Rectification		COT	QFN-25 (3x4)	Catalog
ACTIVE	MP4420A	High Efficiency 2A, 36V, Force CCM Mode, Synchronous Step Down Converter with PG and Ext. Sync Synchronous Step-Down Switcher AEC-Q100 Qualified	4	36	2	0.6	0.79	410	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Catalog
ACTIVE	MP2269	Wide Input 3.3V - 30V, 1A, 12µA Iq, Synchronous, Step-Down Converter with External Soft Start and Power Good in Small 2x3mm QFN Package	3.3	30	1	0.012	0.8	2500	External Soft Start, Power Good, Synchronous Rectification	Programmable Frequency	Current Mode	QFN-15 (2x3)	Catalog
ACTIVE	MP2263	Wide Input 3.3V - 30V, 3A, 12µA Iq, Synchronous, Step-Down Converter with External Soft Start and Power Good in Small 2x3mm QFN Package	3.3	30	3	0.012	0.8	2500	External Soft Start, Power Good, Synchronous Rectification	Programmable Frequency	Current Mode	QFN-15 (2x3)	Catalog
ACTIVE	MP9943A	High Efficiency 3A Peak, 36V, Synchronous Step-Down Converter With Power Good	4	30	3	0.5	0.792	410	Forced CCM, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	QFN-8 (3x3)	Catalog
ACTIVE	MP9942A	High Efficiency 2A, 36V, 410kHz Synchronous Step-Down Converter with Power Good	4	30	2	0.5	0.792	410	Forced CCM, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Catalog
ACTIVE	MPQ4415M	Industrial Grade, 1.5A, 36V, 2.2MHz, High-Efficiency, Synchronous, Step-Down Converter	4	36	1.2	0.5	0.81	2200	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	QFN-13 (2.5x3)	Industrial
ACTIVE	MPQ4420A	Industrial grade, High Efficiency, Force CCM Mode, Synchronous Step Down Converter with PG and Ext. Sync Synchronous Step-Down Switcher AEC-Q100 Qualified	4	36	2	0.6	0.79	410	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Industrial
ACTIVE	MPQ4423A	Industrial Grade, High Efficiency, Force CCM Mode, 3A, 36V, Synchronous Step-Down Converter with PG and Ext. Sync Synchronous Step-Down Switcher AEC-Q100 Qualified	4	36	3	0.6	0.79	410	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	QFN-8 (3x3)	Industrial
ACTIVE	MPQ4470	Industrial Grade, High-Efficiency, Fast-Transient, 5A, 36V Synchronous, Step-Down Converter	4.5	36	5	0.5	0.815	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-20 (3x4)	Industrial
ACTIVE	MPQ4568	Industrial Grade, 60V, 100mA, 20µA Low Iq Synchronous Step-Down Converter	4.5	45	0.1	0.02	1	1000	External Soft Start, Synchronous Rectification	Programmable Frequency	Current Mode	QFN-10 (3x3)	Industrial
ACTIVE	MP4460	2.5A, 4MHz, 36V Step-Down Converter	3.8	36	2.5	0.12	0.8	4000		Programmable Frequency	Current Mode	QFN-10 (3x3)	Catalog
ACTIVE	MPQ4460	2.5A, 4MHz, 36V Step-Down Converter	3.8	36	2.5	0.12	0.8	4000	Light-Load Efficiency	Programmable Frequency	Current Mode	QFN-10 (3x3)	Industrial
ACTIVE	MPQ4459	1.5A, 4MHz, 36V Step-Down Converter	3.8	36	1.5	0.12	0.8	4000	Light-Load Efficiency	Programmable Frequency	Current Mode	TQFN-10 (3x3)	Industrial
ACTIVE	MPQ4458	1A, 4MHz, 36V Step-Down Converter	3.8	36	1	0.12	0.8	4000	Light-Load Efficiency	Programmable Frequency	Current Mode	TQFN-10 (3x3)	Industrial
ACTIVE	MPQ4456	1A, 4MHz, 36V Step-Down Converter	3.8	36	1	0.12	0.796	4000		Programmable Frequency	Current Mode	TQFN-10 (3x3)	Industrial
ACTIVE	MPQ2490	1.5A, 36V, 700kHz Step-Down Converter with Programmable Output Current Limit	4.5	36	1.5	0.5	0.805	700	External Soft Start, Power Good		Current Mode	SOIC-8	Industrial
ACTIVE	MP4462	3.5A, 4MHz, 36V Step-Down Converter	3.8	36	3.5	0.12	0.8	4000	Light-Load Efficiency	Programmable Frequency		QFN-10 (3x3)	Catalog
ACTIVE	MP4459	1.5A, 4MHz, 36V Step-Down Converter	3.8	36	1.5	0.12	0.8	4000		Programmable Frequency	Current Mode	TQFN-10 (3x3)	Catalog
ACTIVE	MP2493	1.5A, 36V, 130kHz Low EMI Step-Down Converter with Programmable Output Current Limit	4.5	36	2	0.5	0.8	130	External Soft Start		Current Mode	SOIC-8	Catalog
ACTIVE	MP4458	1A, 4MHz, 36V Step-Down Converter	3.8	36	1	0.12	0.8	4000		Programmable Frequency	Current Mode	TQFN-10 (3x3)	Catalog
ACTIVE	MP2560	2.5A, 4MHz, 42V Step-Down Converter	4.5	42	2.5	0.12	0.8	4000	Light-Load Efficiency	Programmable Frequency	Current Mode	QFN-10 (3x3)	Catalog
ACTIVE	MP2498	Integrated 100V Load Dump Protection, 2A Step Down Regulator	6.5	30	2	0.12	0.8	1000	Light-Load Efficiency	Programmable Frequency	Current Mode	QFN-28 (4x5)	Catalog
ACTIVE	MP2467	2.5A, 36V, 500kHz Step-Down Converter	6	36	2.5	0.1	0.8	500					Catalog



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ステータス	型番	基本仕様	Vin (min) (V)	Vin (max) (V)	Iout (max) (A)	Iq (typ) (mA)	Vfb (V)	fsw (max) (kHz)	Common Features	Special Features	Control Mode	Package	Grade
ACTIVE	MP2452	1A, 36V, 1MHz, Step-Down Converter in QFN	3.3	36	1	0.13	0.794	1000			Current Mode	QFN-8 (2x3)	Catalog
ACTIVE	MP2451	36V, 2MHz, 0.6A Step-Down Converter	3.3	36	0.6	0.13	0.794	2000			Current Mode	SOT23-6L	Catalog
ACTIVE	MP1591	2A, 32V, 330kHz Step-Down Converter	6.5	32	2	1	1.23	330				SOIC-8	Catalog
ACTIVE	MP2490	1.5A, 36V, 700kHz Step-Down Converter with Programmable Output Current Limit	4.5	36	1.5	0.5	0.805	700	External Soft Start, Power Good			QFN-10 (3x3), SOIC-8	Catalog
ACTIVE	MP2499M	36V, 3A Max, High-Efficiency, Synchronous, Step-Down Converter with Output Line Drop Compensation			3	0.7	0.792	270	Forced CCM, Synchronous Rectification	External Frequency Sync, Output Line Drop Compensation	Current Mode	QFN-13 (2.5x3)	Catalog
ACTIVE	MPQ4470A	Industrial Grade, High-Efficiency, Fast-Transient, 5A, 36V Synchronous, Step-Down Converter	4.5	36	5	0.5	0.815	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-20 (3x4)	Industrial
ACTIVE	MP38891	6A, 30V, 420kHz Step-Down Converter with Synchronizable Gate Driver	4.5	30	6	0.9	0.808	420	Power Good, Synchronous Rectification	External Frequency Sync		QFN-14 (3x4)	Catalog
ACTIVE	MP8676	4.5A, 42V, 420kHz Step-Down Converter with Synchronizable Gate Driver	4.5	42	4.5	0.9	0.808	420	Synchronous Rectification	External Frequency Sync	Current Mode		Catalog
ACTIVE	MP8675	6A, 42V, 420kHz Step-Down Converter with Synchronizable Gate Driver	4.5	42	6	0.9	0.808	420	Synchronous Rectification	External Frequency Sync	Current Mode		Catalog
ACTIVE	MP4568	60V, 100mA, Synchronous Step-Down Converter	4.5	45	0.1	0.02	1	1000	External Soft Start, Synchronous Rectification	Programmable Frequency	Current Mode	QFN-10 (3x3)	Catalog
ACTIVE	MP4566	36V, 600mA, 1MHz Non-Sync Step-Down Converter with High Light Load Efficiency	4.5	36	0.6	0.035	1	1000	Light-Load Efficiency		Current Mode	QFN-8 (2x3)	Catalog
ACTIVE	MP4470	High-Efficiency, Fast-Transient, 5A, 36V Synchronous, Step-Down Converter	4.5	36	5	0.5	0.815	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-20 (3x4)	Catalog
ACTIVE	MP38894	4.5A, 42V, 420kHz Step-Down Converter 4.5A, 42V, 420kHz Step-Down Converter	4.5	42	4.5	0.9	0.808	420	Synchronous Rectification	External Frequency Sync			Catalog
ACTIVE	MP38892	6A, 42V, 420kHz Step-Down Converter with Synchronizable Gate Driver	4.5	42	6	0.9	0.808	420	Synchronous Rectification	External Frequency Sync	Current Mode		Catalog
ACTIVE	MPQ4420A-AEC1	AEC1-Automotive Grade, High Efficiency 2A, 36V, Force CCM Mode, Synchronous Step-Down Converter with PG and Ext.Sync	4	36	2	0.6	0.79	410	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Automotive
ACTIVE	MPQ4470-AEC1	High-Efficiency, Fast-Transient, 5A, 36V Synchronous, Step-Down Converter with AEC-Q100 qualification	4.5	36	5	0.5	0.815	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-20 (3x4)	Automotive
ACTIVE	MPQ4423-AEC1	Automotive Grade, High Efficiency 3A, 36V max, Synchronous Step-Down Converter with PG and Ext. Sync	4	30	3	0.5	0.792	410	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	QFN-8 (3x3)	Automotive
ACTIVE	MPQ4420-AEC1	Automotive-Grade, High-Efficiency 2A, 36V Max, Synchronous Step-Down Converter with PG and Ext Sync	4	30	2	0.5	0.792	410	Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync	Current Mode	TSOT23-8	Automotive
ACTIVE	MPQ2451-AEC1	36V, 2MHz, 0.6A Step-Down Converter Automotive-Grade	3.3	36	0.6	0.13	0.794	2000	Light-Load Efficiency	Fixed Output	Current Mode	QFN-6L, SOT23-6L	Automotive
ACTIVE	MPQ2454-AEC1	Automotive Grade, 36V, 0.6A, Low Iq Step-Down Converter with PG and External Soft Start, AEC-Q100 Qualified	3.3	36	0.6	0.06	0.8	2300	External Soft Start, Power Good	Programmable Frequency	Current Mode	QFN-10 (3x3)	Automotive
ACTIVE	MPQ4473-AEC1	High-Efficiency, Fast-Transient, 3.5A, 36V Synchronous, Step-Down Converter with AEC-Q100 qualification	4.5	36	3.5	0.5	0.815	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-20 (3x4)	Automotive
ACTIVE	MPQ4470A-AEC1	High-Efficiency, Fast-Transient, 5A, 36V Synchronous, Step-Down Converter with AEC-Q100 qualification	4.5	36	5	0.5	0.815	1000	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	Programmable Frequency	COT	QFN-20 (3x4)	Automotive
ACTIVE	MPQ4462-AEC1	3.5A, 4MHz, 36V Step-Down Converter	3.8	36	3.5	0.12	0.792	4000	Light-Load Efficiency	Programmable Frequency	Current Mode	QFN-10 (3x3)	Automotive
ACTIVE	DIY8883	Configurable 36V DC/DC Step-Down IC up to 3A	4.5	36	3			2000				QFN-14 (3x4)	Catalog
ACTIVE	MP4581	PRE-RELEASE 100V, 0.8A Synchronous Buck Converter	10	100	0.8	0.03	1	1000	Light-Load Efficiency, Synchronous Rectification	Programmable Frequency	COT	SOIC-8 EP	Catalog
NEW	MP4572	High-Efficiency, 2A, 60V Fully Integrated Synchronous Buck Converter	4.5	60	2	0.04	0.8	2200	External Soft Start, Power Good, Synchronous Rectification	180° Phase-Shifted Operation, Adjustable Switching Frequency	Current Mode	QFN-12 (2.5x3)	Catalog
ACTIVE	MP2492	2A, 55V, 100kHz Step-Down Converter with Programmable Output Current Limit	4.5	55	2	0.5	0.8	100	External Soft Start, Power Good		Current Mode	QFN-10 (3x3)	Catalog
ACTIVE	MP2562	4.5V to 50V, 1A, Up to 4MHz Switching Frequency Step-Down Converter with Output Adj From 0.8V to 47V	4.5	50	1	0.12	0.8	4000		Programmable Frequency	Current Mode	QFN-10 (3x3), SOIC-8	Catalog
ACTIVE	MP4561	1.5A, 2MHz, 55V Step-Down Converter	3.8	55	1.5	0.14	0.8	2000	External Soft Start, Light-Load Efficiency	Programmable Frequency		QFN-10 (3x3)	Catalog
ACTIVE	MPQ4558	1A 2MHz 55V Step-Down Converter Light-Load Efficiency	3.8	55	1	0.14	0.8	2000	Light-Load Efficiency	Programmable Frequency	Current Mode	QFN-10 (3x3)	Industrial
ACTIVE	MPQ4559	55V, 1.5A, 2MHz(Adj.) Industrial-Grade Buck Converter With AEC-Q100 Qualified	3.8	55	1.5	0.14	0.8	2000	Light-Load Efficiency	Programmable Frequency	Current Mode	QFN-10 (3x3)	Industrial
ACTIVE	MPQ4560	2A, 2MHz, 55V Step-Down Converter	3.8	55	2	0.14	0.797	2000	Light-Load Efficiency	Programmable Frequency	Current Mode	QFN-10 (3x3)	Industrial
ACTIVE	MPQ4561	1.5A, 2MHz, 55V Step-Down Converter	3.8	55	1.5	0.14	0.795	2000	External Soft Start, Light-Load Efficiency	Programmable Frequency	Current Mode	QFN-10 (3x3)	Industrial
ACTIVE	MP2456	0.5A, 50V, 1.2MHz Step-Down Converter in TSOT23-6	4.5	50	0.5	0.73	0.812	1200			Current Mode	TSOT23-6	Catalog
ACTIVE	MP4559	1.5A, 2MHz, 55V Step-Down Converter with Superior Light-Load Efficiency, Available in Automotive (AEC-Q100) and Industrial Grade	3.8	55	1.5	0.14	0.8	2000	Light-Load Efficiency	Programmable Frequency		QFN-10 (3x3)	Catalog
ACTIVE	MPQ4570	3A, 4.5V-55V Input, Frequency Programmable, Fully Integrated Synchronous, Step-Down Converter	4.5	55	3	0.45	1	0	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync, Programmable Frequency	Current Mode	TSSOP20 EP	Industrial
ACTIVE	MPQ2420	Industrial Grade, 75V, 0.3A, Synchronous Step-Down Converter with Watchdog	4.5	75	0.3	0.02	1	1000	External Soft Start, Power Good, Synchronous Rectification	Programmable Frequency	Current Mode	TSSOP16 EP	Industrial
ACTIVE	MPQ4569	75V, 0.3A Synchronous Step-Down Converter AEC-Q100 Qualified	4.5	75	0.3	0.02	1	1000	External Soft Start, Power Good, Synchronous Rectification	Programmable Frequency	Current Mode	QFN-10 (3x3)	Industrial
ACTIVE	MP4569	Synchronous Step-Down Converter with External Soft Start	4.5	75	0.3	0.02	1	1000	External Soft Start, Power Good, Synchronous Rectification	Programmable Frequency	Current Mode	QFN-10 (3x3)	Catalog
ACTIVE	MP4575	5A, 4.5V - 55V Input, Frequency-Programmable, Fully Integrated, Synchronous, Step-Down Converter	4.5	55	5	0.45	1	0	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync, Programmable Frequency	Current Mode	TSSOP20 EP	Catalog
ACTIVE	MPQ2456	Industrial Grade, 0.5A, 50V, 1.2MHz Step-Down Converter in TSOT23-6	4.5	50	0.5	0.73	0.812	1200			Current Mode	TSOT23-6	Industrial
ACTIVE	MP9486A	100V Input, 3.5A, Switching Current Limit Step-Down Converter	4.5	100	1	0.17	0.2	1000	Light-Load Efficiency		Hysteretic	SOIC-8	Catalog
ACTIVE	MP4560	2A, 2MHz, 55V Step-Down Converter	3.8	55	2	0.14	0.8	2000	Light-Load Efficiency	Programmable Frequency		QFN-10 (3x3)	Catalog
ACTIVE	MP2565	2.5A, 4MHz, 50V Step-Down Converter	4.5	50	2.5	0.12	0.8	4000	Light-Load Efficiency	Programmable Frequency	Current Mode	QFN-10 (3x3)	Catalog
ACTIVE	MP4558	1A, 2MHz, 55V Step-Down Converter with Superior Light-Load Efficiency, Available in Automotive (AEC-Q100) and Industrial Grade	3.8	55	1	0.14	0.8	2000	Light-Load Efficiency	Programmable Frequency		QFN-10 (3x3)	Catalog
ACTIVE	MPQ4561-AEC1	1.5A, 2MHz, 55V Step-Down Converter	3.8	55	1.5	0.14	0.795	2000	External Soft Start, Light-Load Efficiency	Programmable Frequency	Current Mode	QFN-10 (3x3)	Automotive
ACTIVE	MP24943	3A, 55V, 100kHz, Programmable Output OVP Threshold	4.5	55	3	0.65	0.8	100	External Soft Start		Current Mode	SOIC-8	Catalog
ACTIVE	MP2497	3A, 50V, 100kHz Step-Down Converter with Programmable Output OVP Threshold	4.5	50	3	1.2	0.8	100			Current Mode	SOIC-8	Catalog
ACTIVE	MP24971	1.5A, 50V, 100kHz, Programmable Current Limit, Output Line-drop Compensation, Output Over-voltage Protection	8	50	1.5	1.2	0.8	100		Fixed Output	Current Mode	SOIC-8	Catalog
ACTIVE	MP2497A	3A, 50V, 100kHz fast switching Step-Down Converter with Programmable Output OVP Threshold	4.5	50	3	1.2	0.8	100			Current Mode	SOIC-8	Catalog
ACTIVE	MPQ4558-AEC1	1A 2MHz 55V Step-Down Converter Light-Load Efficiency	3.8	55	1	0.14	0.8	2000	Light-Load Efficiency	Programmable Frequency	Current Mode	QFN-10 (3x3)	Automotive
ACTIVE	MPQ4560-AEC1	2A, 2MHz, 55V Step-Down Converter	3.8	55	2	0.14	0.797	2000	Light-Load Efficiency	Programmable Frequency	Current Mode	QFN-10 (3x3)	Automotive
ACTIVE	MPQ2459-AEC1	0.5A, 55V, 480kHz Step-Down Converter with AEC-Q100 qualification	4.5	55	0.5	0.73	0.812	480				TSOT23-6	Automotive
ACTIVE	MP2494	2A, 55V, 100kHz Step-Down Converter	4.5	55	2	0.5	0.8	100	External Soft Start			SOIC-8	Catalog
ACTIVE	MP9485	100V Input, 500mA, Step-Down Converter	4.5	100	0.5	0.17	0.2	2000	Light-Load Efficiency		Hysteretic		Catalog



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ステータス	型番	基本仕様	Vin (min) (V)	Vin (max) (V)	Iout (max) (A)	Iq (typ) (mA)	Vfb (V)	fsw (max) (kHz)	Common Features	Special Features	Control Mode	Package	Grade
ACTIVE	MPQ4572	High-Efficiency, 2A, 60V, Fully Integrated, Synchronous Buck Converter, AEC-Q100 Qualified	4.5	60	2	0.04	0.8	2200	External Soft Start, Power Good, Synchronous Rectification, Select AAM or Forced CCM	180° Phase-Shifted Operation, Adjustable Switching Frequency	Current Mode	QFN-12 (2.5x3)	Automotive
ACTIVE	MP4571	High-Efficiency, 1A, 60V, Fully Integrated Synchronous Buck Converter	4.5	60	1	0.04	0.8	2200	External Soft Start, Forced CGM, Power Good, Synchronous Rectification	180° Phase-Shifted Operation, Adjustable Switching Frequency	Current Mode	QFN-12 (2.5x3)	Automotive
ACTIVE	MP4570	3A, 4.5V-55V Input, Frequency Programmable, Fully Integrated Synchronous, Step-Down Converter	4.5	55	3	0.45	1	0	External Soft Start, Light-Load Efficiency, Power Good, Synchronous Rectification	External Frequency Sync, Programmable Frequency	Current Mode	TSSOP20 EP	Catalog
ACTIVE	MPQ2459	0.5A, 55V, 480kHz Step-Down Converter in a TSOT23-6	4.5	55	0.5	0.73	0.812	480				TSOT23-6	Catalog
ACTIVE	MPQ2459	0.5A, 55V, 480kHz Step-Down Converter in a TSOT23-6	4.5	55	0.5	0.73	0.812	480				TSOT23-6	Industrial
ACTIVE	MP2499	Integrated 100V Load Dump Protection 2A 100kHz Step-Down Regulator with Programmable Output Current	4.5	55	2	0.5	0.8	100	External Soft Start		Current Mode	SOIC-16	Catalog
ACTIVE	MP9486	100V Input, 1A, Step-Down Converter	4.5	100	1	0.17	0.2	1000	Light-Load Efficiency		Hysteretic		Catalog

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