

MPS

カレントリミットスイッチ

ステータス	型番	基本仕様	Vin (min) (V)	Vin (max) (V)	Iout (max) (A)	Ilimit (A)	Iq (typ) (μA)	Channels	Enable	Fault Flag	Rds(on) (mΩ)	Slew Rate Control	Special Features	Grade	Package
NEW	MP5921	16V, 50A, 1mΩ RDS(ON), Hot-Swap Intelli-Fuse Solution	4	16	50	Prog.		1	High	Current-limit, Thermal Shutdown, Damaged MOSFET Detection	1	Yes	Parallel Configuration, Integrated Temperature Sense, Integrated Current Sensing with Sense Output, Current Monitoring Accuracy, Output Voltage Power-Down Control, Latchoff Protection Mode, GOK Fault Reporting Output	Catalog	QFN-28 (4x5)
ACTIVE	MP5013A	5V, 5A Programmable Current-Limit Switch with Over-Voltage Clamp and Slew-Rate Control in TSOT23-8	3	5.5	5	Prog.	860	1	High	Thermal Shutdown	36	Yes		Catalog	TSOT23-8
ACTIVE	MP5023	16V, 50A, 1.1mΩ, Protection Device with Integrated MOSFET and PMBus TM Interface	4	16	50	Prog.	2000	1	High	Current-limit, Thermal Shutdown, Damaged MOSFET Detection	1.1	Yes	Current Monitoring Accuracy, Configurable Over-Voltage Lockout with Hysteresis, PMBus 1.3 Compliant, Real-Time Monitoring by PMBus, Programmable Auto-Retry/Latch-Off Protection Mode	Catalog	QFN-28 (4x5)
ACTIVE	MP5016H	2.7- 22V, 0.7- 5A, Current Limit Switch with Over-Voltage Clamp and Reverse Block	2.7	22	5	Prog.	50	1	High	Thermal Shutdown	43	Yes	Reverse-Current Blocking	Catalog	QFN-10 (1.5x2)
ACTIVE	MP5016	2.7 - 15V, 0.7 - 5A, Current Limit Switch with Over-Voltage Clamp and Reverse Blocking	2.7	15	5	Prog.	50	1	High	Thermal Shutdown	43	Yes	Reverse-Current Blocking	Catalog	QFN-10 (1.5x2)
ACTIVE	MP5013E	5V, 2A, Programmable Current-Limit Switch with Over-Voltage Clamp and Slew Rate Control in a TSOT23-8	3	5.5	5	Prog.	890	1	High	Thermal Shutdown	36	Yes		Catalog	TSOT23-8
ACTIVE	MP5022C	16V, 15A, 3mΩ R DS_ON , Hot-Swap Protection Device with Current Monitoring	4.5	16	15	Prog.	1300	1	High	Current-limit, Thermal Shutdown, Damaged MOSFET Detection	3	Yes	Current Monitoring Accuracy, Latchoff Protection Mode, Backup Power Supply, Configurable Over-Voltage Lockout with Hysteresis, Under-Voltage Lockout	Catalog	QFN-22 (3x5)
ACTIVE	MP5016-L	2.7 - 22V, 0.7 - 5A, Current Limit Switch with Over-Voltage Clamp and Reverse Blocking	2.7	22	5	Prog.	50	1	High	Thermal Shutdown	43	Yes	Reverse-Current Blocking	Catalog	QFN-10 (1.5x2)
ACTIVE	MP5014A	12 V, 5 A, Programmable Current-Limit Switch with Over-Voltage Clamp and Slew-Rate Control in TSOT23-8	10	13.8	5	Prog.	1000	1	High	Thermal Shutdown	36	Yes		Catalog	TSOT23-8
ACTIVE	MP5021B	16V, 7mΩ R DS_on Hot-Swap Protection Device with Current Monitoring	4.8	16	10	Prog.	1100	1	High	Current-limit, Thermal Shutdown, Damaged MOSFET Detection	7	Yes	Current Monitoring Accuracy, Selectable Protection Mode: Latch-off/Auto Retry, Under/Over-Voltage Lockout	Catalog	QFN-22 (3x5)
ACTIVE	MP5018	5V, 1A-5A Current Limit Switch with Reverse Current Blocking and Output Over-voltage Clamp	4.5	5.5	5	Prog.	210	1	High	Thermal Fault = Tri-State	45	Yes	Reverse-Current Blocking	Catalog	QFN-12 (2x3)
ACTIVE	MP5022A	16V, 12A, 3mΩ R ds_on Hot-Swap Protection Device With Current Monitoring	8	16	12	Prog.	1300	1	High	Current-limit, Thermal Shutdown, Damaged MOSFET Detection	3	Yes	Current Monitoring Accuracy, Output Voltage Power-Down Control, Latchoff Protection Mode, Under/Over-Voltage Lockout	Catalog	QFN-22 (3x5)
ACTIVE	MP5010B	3V-18V, 1A-5A Programmable-Current-Limit Switch with Over-Voltage Clamp	3	18	5	Prog.	860	1	High	Thermal Fault = Tri-State	40	Yes		Catalog	QFN-10 (3x3)
ACTIVE	MP5010A	3V-18V, 1A-5A Programmable-Current-Limit Switch with Over-Voltage Clamp	3	18	5	Prog.	815	1	High	Thermal Fault = Tri-State	40	Yes		Catalog	QFN-10 (3x3)
ACTIVE	MP5000A	12V, 5A Programmable Current Limit Switch with different SS time, Trip/ hold Current and Rds	10	18	5	Prog.	1000	1	High	Thermal Fault = Tri-State	40	Yes		Catalog	QFN-10 (3x3)

詳しい仕様は、MPS社WEBサイトより検索できます。 <https://www.monolithicpower.com/jp/>

