

LDO(低雑音レギュレータ)

| 製品名              | 入力電圧範囲(V) | 出力電圧Vout(V)  | 出力電流Iout(max)(mA) | ドロップアウト電圧(Vpp)(mV)                       | ロードレギュレーション(%) | フィードバック電圧VFB(V)(V) | PSRR (1 y p) (dB)(1KHz) | 備考   | PKG                            |
|------------------|-----------|--|-------------------|--|----------------|--------------------|-------------------------|--|--------------------------------|
| MP2016           | 4.0~42    | Adj (1.23~4.0)   | 30                | 700@Io=30mA                              | 0.003          | 1.23               | 50                      | 42V, 30mA, Low Power Adjustable Output Linear Regulator                                    | QFN8-2x3, TSOT23-5             |
| MP2002           | 2.0~6.0   | Fixed 1.5, 1.8, 2.5, 3.0, 3.3, 3.6, 4.0, 4.5, 5.0, 5.5, 6.0, 6.3, 6.6, 7.0, 7.5, 8.0, 8.5, 9.0, 9.3, 9.6, 10.0 | 120               | 120@Io=120mA                             | 0.002          | -                  | 78                      | Ultra Low Noise, Low-Dropout, 120mA Linear Regulator                                       | SC70-5                         |
| MP2013<br>MS2013 | 2.5~4.0   | Fixed 1.8, 1.9, 2.3, 2.5, 3.0, 3.3, 3.4, 4.5, 5.0, Adj (1.23~15.0)   | 150               | 600@Io=150mA                             | 0.003          | 1.215              | 41                      | 40V, 150mA, Low Quiescent Current Linear Regulator, AEC-Q100 Qualified                     | TSOT23-5, QFN8-2x2, QFN8-3x3   |
| MP2001           | 1.35~6.0  | Adj (0.5~5.0)  | 150               | 250@Io=100mA, 300@Io=150mA               | 0.001          | 0.5                | 50                      | Low Input Voltage, 150mA Linear Regulator  | TSOT23-5                       |
| MP2008           | 2.3~6.0   | Fixed 2.8  | 150               | 400@Io=100mA, 500@Io=120mA, 600@Io=150mA | 0.001          | (1.23)             | 78                      | Ultra-Low Noise, High PSRR, 150mA Linear Regulator p2p ADF120 & LP9900                     | WLSCP-0.8x0.8                  |
| MP8801           | 2.7~6.5   | Fixed 2.5, 2.85, 3.3, Adj (1.25~5.0)   | 150               | 150@Io=150mA                             | 0.001          | 1.222              | 70                      | Low Dropout, 150mA Linear Regulator  | TSOT23-5                       |
| MP8802           | 2.7~6.5   | Fixed 2.5, 2.85, 3.3, Adj (1.25~5.0)   | 150               | 150@Io=150mA                             | 0.001          | 1.222              | 50                      | Low Dropout, 150mA Linear Regulator  | QFN8-2x2, TSOT23-5             |
| MSV8803          | 2.7~6.5   | Fixed 2.5, 2.85, 3.3, Adj (1.25~5.0)   | 150               | 1000@Io=100mA, 150@Io=150mA              | 0.001          | 1.222              | 50                      | Low Dropout, 150mA Linear Regulator  | TSOT23-5                       |
| MP8828           | 2.3~6.0   | Fixed Vout1 1.2~3.3, Vout2 1.2~3.3, 組みあがり  | 200(2x)           | 600@Io=150mA, 750@Io=200mA               | 0.001          | -                  | 65                      | Dual, Ultra-Low Noise, High PSRR, 200mA Linear Regulator                                   | WLSCP-1.0x1.5                  |
| MP2004           | 2.7~6.5   | Fixed Vout1 1.2~5.0, Vout2 1.2~5.0, 組みあがり  | 200(2x)           | 1100@Io=100mA, 2500@Io=200mA             | 0.005          | -                  | 69                      | Dual, Low Noise, High PSRR, 200mA Linear Regulator   | TSOT23-6                       |
| MP2004A          | 2.7~6.5   | Fixed Vout1 1.2~5.0, Vout2 1.2~5.0, 組みあがり  | 200(2x)           | 1100@Io=100mA, 2500@Io=200mA             | 0.005          | -                  | 72                      | Dual, Ultra Low Noise, High PSRR, 200mA Linear Regulator                                   | QFN8-2x2                       |
| MS2048           | 2.5~5.5   | Fixed Vout1 1.5, 1.8, 2.4, 2.8, 3.0, 3.3, Vout2 1.8, 2.8, 3.0, 3.3, 組みあがり                                      | 200(2x)           | 600@Io=100mA                             | -              | -                  | 75                      | Dual Channel, 200mA Linear Regulator With Programmable Output Voltage and Output Discharge | TQFN8-2x2                      |
| MP2006           | 1.7~5.5   | Adj (1.23~5.0)   | 250               | 600@Io=250mA                             | 0.0005         | 1.234              | 35                      | Capacitor-Free, 250mA, Low Dropout Voltage Regulator                                       | TSOT23-5                       |
| MP8802           | 2.7~6.5   | Fixed 2.5, 2.85, 3.3, Adj (1.25~5.0)   | 250               | 230@Io=250mA                             | 0.001          | 1.222              | 70                      | Low Dropout, 250mA Linear Regulator  | TSOT23-5                       |
| MS2005           | 2.5~5.5   | Fixed 1.8, 1.3, Adj (0.8~5.0)  | 250               | 100@Io=250mA                             | 0.3            | 0.8                | 63                      | Low Noise, High PSRR, 250mA Linear Regulator, AEC-Q100 Qualified                           | QFN8, TSOT23-5                 |
| MP2018           | 3~40      | Fixed 3.3, 5.0, Adj (1.2~15.0)   | 300               | -  | -              | -                  | -                       | 40V, 300mA, Low Quiescent Current Adjustable Output Linear Regulator                       | SOIC-8EP                       |
| MP2004L          | 2.7~6.0   | Fixed 1.3~3.3, 組みあがり   | 300(2x)           | 750@Io=100mA, 2200@Io=300mA              | 0.003          | -                  | 65                      | Dual, Ultra Low Noise, High PSRR, 300mA Linear Regulator p2p RT9012                        | QFN8-2x2                       |
| MP2004E          | 2.7~6.0   | Fixed 1.3~3.3, 組みあがり   | 300(2x)           | 750@Io=100mA, 2200@Io=300mA              | 0.003          | -                  | 65                      | Dual, Ultra Low Noise, High PSRR, 300mA CH Linear Regulator                                | TQFN8-2x2                      |
| MS2004           | 2.5~5.5   | Fixed 1.5~3.3, 組みあがり   | 300(2x)           | 600@Io=100mA, 1800@Io=300mA              | -              | -                  | 75                      | Dual Channel, 300mA Linear Regulator With Programmable Output Voltage and Output Discharge | TQFN8-2x2                      |
| MS8801<br>レギュレータ | 2.5~5.5   | Fixed 1.8, 2.5, 3.3, Adj (1.23~5.0)  | 300               | 1140@Io=300mA                            | 0.0003         | 1.229              | 60                      | 300mA LDO Linear Regulator with Integrated Reset Circuit                                   | TQFN8-3x3, TQFN8-2x2, TSOT23-6 |
| MS6402<br>レギュレータ | 2.5~5.5   | Fixed Vout1 0.9, 1.05, 1.2, 1.3, 1.8, 2.5, 2.8, Vout2 1.3, 1.8, 2.5, 2.8, 3.3, 組みあがり                           | 500(2x)           | 2600@Io=500mA                            | 0.003          | -                  | 60(ch1), 51(ch2)        | Dual, High PSRR, 500mA Linear Regulator with Integrated Reset Circuit                      | SOIC8E, TQFN8-3x3              |
| MP2001           | 1.35~6.0  | Adj (0.5~5.0)  | 500               | 2900@Io=500mA                            | 0.001          | 0.5                | 26                      | Low Input Voltage, 500mA Linear Regulator  | QFN8-2x3                       |
| MS2004           | 2.5~6.5   | Adj (0.5~5.0)  | 500               | 2900@Io=500mA                            | 0.001          | 0.5                | 26                      | 500mA Linear Regulator   | QFN8-2x3                       |
| MS2004A          | 2.5~6.5   | Adj (0.5~5.0)  | 500               | 2900@Io=500mA                            | 0.001          | 0.5                | 26                      | 500mA Linear Regulator   | QFN8-2x3                       |
| MP2002           | 1.0~5.5   | Adj (0.5~4.5)  | 800               | 900@Io=800mA                             | 0.0005         | 0.5                | 65                      | 800mA High PSRR, ULDO Linear Regulator   | QFN8-2x3                       |
| MP2004S          | 2.5~5.5   | Fixed 1.5, 1.8, 2.5, 3.3, Adj (1.5~5.0)  | 1000              | 1400@Io=1A                               | 0.0003         | 1.5                | 56                      | Low Noise, 1A Linear Regulator   | QFN8-3x3, SOIC8E               |
| MP2005L          | 2.5~5.5   | Adj (0.8~5.0)  | 1000              | 1400@Io=1A                               | 0.0003         | 0.8                | 63                      | Low Noise High PSRR, 1A Linear Regulator   | QFN8-3x3, SOIC8E               |
| MP2006           | 2.7~5.5   | Fixed 1.5, 1.8, 2.5, 3.3   | 2000              | 2100@Io=2A                               | 0.0003         | -                  | 70                      | Fast Transient Response, 2A Low Dropout Voltage Regulator                                  | SOIC8E, QFN10-3x3              |
| MP2008           | 1.1~6.0   | Adj (0.9~3.0)  | 3000              | 1500@Io=300mA                            | 0.001          | 0.5                | 32                      | 3A Dual Supply Very Low Dropout Linear Regulator   | QFN10-3x3, QFN12-5x5           |
| MP2009           | 1.1~6.0   | Adj (0.9~3.3)  | 3000              | 1500@Io=300mA                            | 0.001          | 0.5                | 40                      | Fast Transient Response, 3A Dual Supply Very Low Dropout Linear Regulator                  | QFN10-3x3, QFN12-5x5           |

  

| 製品名     | 入力電圧範囲 VDDQ, VREF (V) | 入力電圧範囲 VDRY (V) | 出力電圧 VTT, VTTREF (V) | VTT最大出力電流 VTT (A) | VTTREF最大出力電流 VTTREF (mA) | 備考   | PKG    |
|---------|-----------------------|-----------------|----------------------|-------------------|--------------------------|--|--------|
| MP2002  | 1.3~6.0               | 4.5~5.5         | VREF/2               | 3                 | 15                       | 2A, 1.3V-6.0V DDR Memory Termination Regulator | MSOP8E |
| MP2007  | 1.3~6.0               | 3.0~5.0         | VREF/2               | 2                 | 10                       | 2A, 1.3V-6.0V DDR Memory Termination Regulator | MSOP8E |
| MP2007S | 1.3~3.6               | 3.0~3.5         | VREF/2               | 3                 | 10                       | 2A, 1.3V-3.6V DDR Memory Termination Regulator | MSOP8E |

