

产品概览

MC33275: LDO 稳压器, 300 mA, 高 PSRR

欲看完整文档, 请参阅数据表。

MC33275 系列为微型功耗低漏 (LDO) 线性稳压器, 采用多种输出电压以及 DPAK SOT-223 和 SOP-8 表面贴装封装。此类器件具有极低静止电流, 能够提供超过 300 mA 的供应输出电流。通过输出处的短路和内部高温关断电路提供内部电流和高温限制保护。MC33275 提供包含开关控制的 MC33375。由于低输入-输出电压压差和偏置电流规格, 此类器件适用于需要较长电池使用寿命的电池供电计算机、消费品和工业设备。

特性

- Low Quiescent Current (125 mA)
- Low Input-to-Output Voltage Differential of 25 mV at IO = 10mA, and 260 mV at IO = 300 mA
- Extremely Tight Line and Load Regulation
- Stable with Output Capacitance of only 0.33 mF for 2.5 V Output Voltage
- Internal Current and Thermal Limiting

应用

- Battery Powered Consumer Products
- HandHeld Instruments
- Camcorders and Cameras

器件电气规格

产品	Pricing (\$/Unit)	Compliance	Status	Output	Polarity	V _O (V)	I _O Typ (A)	V _I Min (V)	V _I Max (V)	V _{DO} Typ (V)	I _q Typ (mA)	PSR R (dB)	Noise (μV _{rms})	Enable	Power Good	Package Type
MC33275D-2.5G	0.3672	Pb-free Halide free	Active	Single	Positive	2.5	0.3	2.6	13	0.26	0.125	75	46	No	No	SOIC-8
MC33275D-2.5R2G	0.2761	Pb-free Halide free	Active	Single	Positive	2.5	0.3	2.6	13	0.26	0.125	75	46	No	No	SOIC-8
MC33275D-3.0G	0.3548	Pb-free Halide free	Active	Single	Positive	3	0.3	2.6	13	0.26	0.125	75	46	No	No	SOIC-8
MC33275D-3.0R2G	0.332	Pb-free Halide free	Active	Single	Positive	3	0.3	2.6	13	0.26	0.125	75	46	No	No	SOIC-8
MC33275D-3.3G	0.3039	Pb-free Halide free	Active	Single	Positive	3.3	0.3	2.6	13	0.26	0.125	75	46	No	No	SOIC-8
MC33275D-3.3R2G	0.3949	Pb-free Halide free	Active	Single	Positive	3.3	0.3	2.6	13	0.26	0.125	75	46	No	No	SOIC-8
MC33275D-5.0G	0.3243	Pb-free Halide free	Active	Single	Positive	5	0.3	2.6	13	0.26	0.125	75	46	No	No	SOIC-8
MC33275D-5.0R2G	0.3672	Pb-free Halide free	Active	Single	Positive	5	0.3	2.6	13	0.26	0.125	75	46	No	No	SOIC-8
MC33275DT-2.5G	0.3984	Pb-free Halide free	Active	Single	Positive	2.5	0.3	2.6	13	0.26	0.125	75	46	No	No	DPAK-3
MC33275DT-2.5RKG	0.2397	Pb-free Halide free	Active	Single	Positive	5	0.3	2.6	13	0.26	0.125	75	46	No	No	DPAK-3
MC33275DT-3.0G	0.3651	Pb-free Halide free	Active	Single	Positive	3	0.3	2.6	13	0.26	0.125	75	46	No	No	DPAK-3
MC33275DT-3.0RKG	0.378	Pb-free Halide free	Active	Single	Positive	3	0.3	2.6	13	0.26	0.125	75	46	No	No	DPAK-3
MC33275DT-3.3G	0.3472	Pb-free Halide free	Active	Single	Positive	3.3	0.3	2.6	13	0.26	0.125	75	46	No	No	DPAK-3
MC33275DT-3.3RKG	0.3503	Pb-free Halide free	Active	Single	Positive	3.3	0.3	2.6	13	0.26	0.125	75	46	No	No	DPAK-3
MC33275DT-5.0G	0.3665	Pb-free Halide free	Active	Single	Positive	5	0.3	2.6	13	0.26	0.125	75	46	No	No	DPAK-3
MC33275DT-5.0RKG	0.378	Pb-free Halide free	Active	Single	Positive	5	0.3	2.6	13	0.26	0.125	75	46	No	No	DPAK-3
MC33275MN-2.5R2G	0.4272	Pb-free Halide free	Active	Single	Positive	2.5	0.3	2.6	13	0.26	0.125	75	46	No	No	DFN-8
MC33275MN-3.0R2G	0.2156	Pb-free Halide free	Active	Single	Positive	3	0.3	2.6	13	0.26	0.125	75	46	No	No	DFN-8
MC33275MN-3.3R2G	0.3932	Pb-free Halide free	Active	Single	Positive	3.3	0.3	2.6	13	0.26	0.125	75	46	No	No	DFN-8
MC33275MN-5.0R2G	0.3409	Pb-free Halide free	Active	Single	Positive	5	0.3	2.6	13	0.26	0.125	75	46	No	No	DFN-8
MC33275ST-2.5T3G	0.3672	Pb-free Halide free	Active	Single	Positive	2.5	0.3	2.6	13	0.26	0.125	75	46	No	No	SOT-223-4 / TO-261-4D
MC33275ST-3.0T3G	0.1757	Pb-free Halide free	Active	Single	Positive	3	0.3	2.6	13	0.26	0.125	75	46	No	No	SOT-223-4 / TO-261-4D
MC33275ST-3.3T3G	0.3744	Pb-free Halide free	Active	Single	Positive	3.3	0.3	2.6	13	0.26	0.125	75	46	No	No	SOT-223-4 / TO-261-4D
MC33275ST-5.0T3G	0.4065	Pb-free Halide free	Active	Single	Positive	5	0.3	2.6	13	0.26	0.125	75	46	No	No	SOT-223-4 / TO-261-4D

欲了解更多信息，请联系您当地的销售支援 www.onsemi.cn。

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