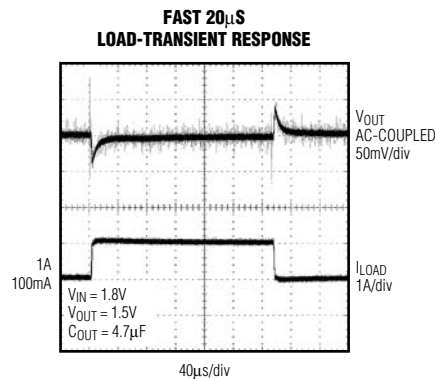


LOWEST INPUT-VOLTAGE LDOs POWERED DIRECTLY FROM 1.5V_{IN} DELIVER 1A, 2A, AND 4A

No Bias Supply Needed, Replaces Switchers for 1.5V Outputs

Maxim's family of low-input voltage, low-dropout linear regulators provide output current of 1A, 2A, and 4A with less than 200mV of dropout, guaranteed. They do not need a separate gate bias, simplifying designs. These linear regulators permit a high-efficiency 1.2V or 1.5V supply to be derived from a 1.5V or 1.8V input, respectively, and thus replace expensive, bulky step-down switching DC-DC converters while maintaining 80% efficiency in server, network, and telecom designs. They also have an excellent load transient response, needing just 4.7μF per amp of output current.

- ◆ 1.425V to 3.6V Input Range
- ◆ Guaranteed 1A, 2A, and 4A Output Current
- ◆ Outputs Down to 0.5V
- ◆ 200mV Guaranteed Dropout (All Parts)
- ◆ Fast Transient Response
- ◆ 320μA Supply Current (MAX8516/MAX8517/MAX8518)
- ◆ Short-Circuit, Thermal-Overload, and Soft-Start Protection
- ◆ Small Packages
- ◆ Power-OK (POK) and Power-On Reset (POR)



Part	I _{OUT} (A)	C _{OUT} (μF)	Pin-Package	Output Monitor*
MAX8516	1	4.7	10-μMAX™	-
MAX8517	1	4.7	10-μMAX	POK
MAX8518	1	4.7	10-μMAX	POR
MAX8526	2	10	14-TSSOP	-
MAX8527	2	10	14-TSSOP	POK
MAX8528	2	10	14-TSSOP	POR
MAX8556	4	20	16-Thin QFN (5mm x 5mm)	POK
MAX8557	4	20	16-Thin QFN (5mm x 5mm)	POR

* POK = Power OK output which transitions high when the regulator output is within ±10% of its nominal set-point. POR = Power-On Reset output which transitions high 140ms after the output reaches 90% of its nominal set-point.
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