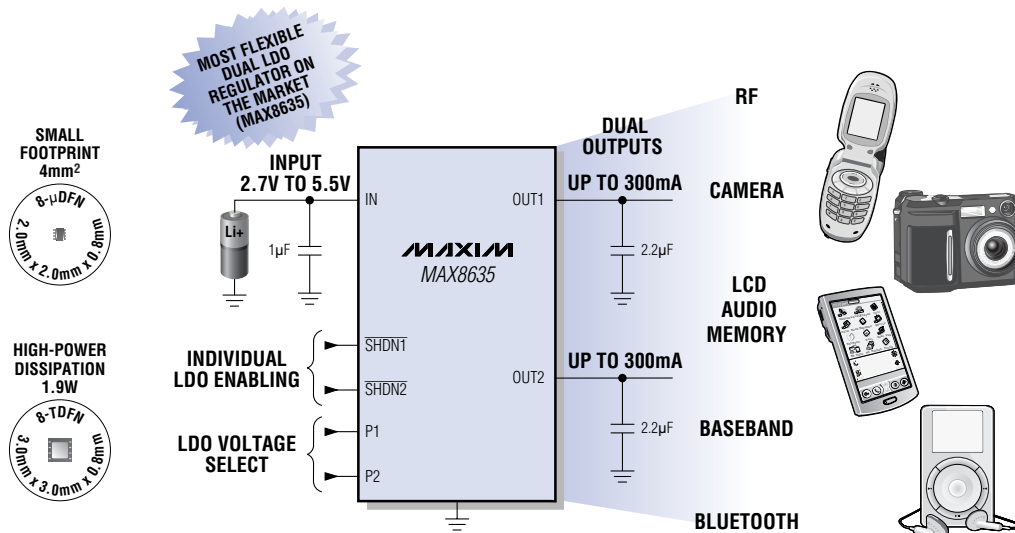


SMALLEST, DUAL 300mA LOW-DROPOUT LINEAR REGULATORS WITH INDEPENDENT SHUTDOWN

2mm x 2mm Package; Pin-Programmable Output Voltages Reduce Inventory

Available in a tiny μ DFN, the MAX8635 is the first, and smallest, dual LDO regulator delivering up to 300mA continuously with a low-dropout voltage of less than 90mV at 100mA. The MAX8635 provides flexibility and long battery life for handheld appliances. Using the logic input control at startup, the regulator sets the output voltages to one of nine options from 1.5V to 3.0V.



- ◆ 300mA Output Current for Each LDO
- ◆ Low 90mV Dropout at 100mA Load
- ◆ Low 45 μ V_{RMS} Output Noise (MAX8634/MAX8636)
- ◆ Low 54 μ A Quiescent Supply Current (Both LDOs On)
- ◆ High 1.9W Power Dissipation (3mm x 3mm TDFN Package)
- ◆ Evaluation Kit Available
- ◆ Output Current Limit and Short-Circuit Protection
- ◆ Priced at \$0.56[†]

Part	No. of Voltage Options	No. of SHDN	Low Noise	RESET
MAX8633	9	1		✓
MAX8634	3	2	✓	
MAX8635	9	2		
MAX8636	9	1	✓	

[†] 1000-up recommended resale. Prices provided are for design guidance and are FOB USA. International prices will differ due to local duties, taxes, and exchange rates. Not all packages are offered in 1k increments, and some may require minimum order quantities.



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