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SP6200

Micropower 100mA CMOS LDOs

Features

- Low Dropout Voltage: 160mV @ 100mA
- High Output Voltage Accuracy: 2%
- Ultra Low Shutdown Current: 1µA Max
- Ultra Low GND Current:
 - 200µA @ 200mA Load
 - 28µA @ 100µA Load
- Extremely Tight Load and Line Regulation
- Current and Thermal Limiting
- RESET Output (VOUT good)
- Logic-Controlled Electronic Enable
- Unconditionally Stable with 1µF Ceramic
- Adjustable Output Available
- Tiny DFN Package (2mmX3mm) or SOT23-5
- Available in lead free packaging, to order add "-L" to part number
- Available in green/halogen free packaging, to order add "-G" to part number

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Part Number	Pkg Code	RoHS	Min Temp. (°C)	Max Temp. (°C)	Status	Buy Now	Order Samples
SP6200EM5-L-3-0	SOT-23-5		-40	125	Active		
SP6200EM5-L-3-0/TR	SOT-23-5		-40	125	Active		

Part Status Legend

Active - the part is released for sale, standard product.**EOL (End of Life)** - the part is no longer being manufactured, there may or may not be inventory still in stock.**CF (Contact Factory)** - the part is still active but customers should check with the factory for availability. Longer lead-times may apply.**PRE (Pre-introduction)** - the part has not been introduced or the part number is an early version available for sample only.**OBS (Obsolete)** - the part is no longer being manufactured and may not be ordered.**NRND (Not Recommended for New Designs)** - the part is not recommended for new designs.

Specifications

Iout(mA)	100
Vin MIN. (V)	2.5
Vin MAX. (V)	7
IQ (µA)	28
Acc	2%
Vdrop (mV)	160
Vout 1.2V	False
Vout 3.0V	Yes

Technical Assets

Datasheet

[Datasheet](#)

Product Change Notification

[November 2007](#)[December 2007](#)[July 2013](#)[February 2007](#)