

UM2600 SERIES

5 Watt DC-DC Converters

- ♦ Small 2" x 1" x 0.4" Package
- ♦ Linear Regulated Outputs
- ♦ Pi Input Filter
- ♦ Low Output Noise
- ♦ Six-Sided Metal EMI Shield
- ♦ RoHS Compliant

Green Product
RoHS



SPECIFICATIONS

All specifications are typical at nominal line, full load and 25°C unless otherwise noted.

INPUT SPECIFICATIONS

Input Voltage Range, 5V	4.65-5.25V
12V	10.8-13.2V
Input Filter	Pi Network

OUTPUT SPECIFICATIONS

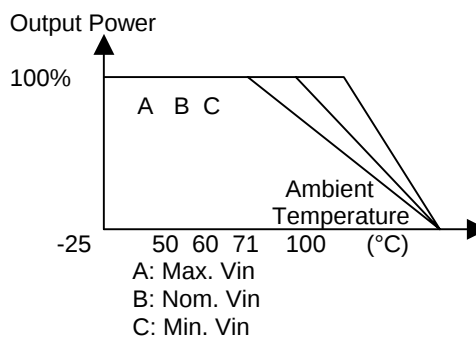
Voltage Accuracy	±1% max.
Voltage Balance, Dual Output	±0.5% max.
Temperature Coefficient	±0.03%/°C max.
Ripple and Noise, 20MHz BW	
Single Output	40mV P-P max.
Dual Output	30mV P-P max.
Single and Dual Output	5mV RMS max.
Short Circuit Protection	Short Time
Line Regulation ¹	±0.5% max.
Load Regulation ²	±0.5% max.

GENERAL SPECIFICATIONS

Efficiency	See Table
Isolation Voltage	500 VDC min.
Isolation Capacitance	80pF
Isolation Resistance	10 ⁸ ohms min.
Switching Frequency	20KHz. min.
Operating Temperature Range	-25°C to +71°C
Ambient Temperature	See NOTE 3
Cooling	Free-Air Convection
Storage Temperature Range	-40°C to +100°C
EMI/RFI	Six-Sided Continuous Shield
Dimensions	2*1*0.4 inches (50.8*25.4*10.2mm)
Case Material	Black-Coated Copper with Non-Conductive Base
Weight	30g

NOTES:

1. Measured from high line to low line.
2. Measured from full load to no load, dual outputs loaded equally.
3. Operating limits and output power range:



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