

QUAD OUTPUT DC-DC CONVERTER

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Size : 12.7mm Height

Applications:

- Industrial power supplies.
- DC– DC Conversion.
- Defence.
- Military.

Key Features:

<u>Parameter</u>	<u>Specifications</u>
Input Voltage:	18-36VDC.
Output voltage and current	Configurable from +1.2V to +24V (Max 10W) Configurable from - 3.3V to -12V (Max 6W) Configurable from +3.3V to +48V (Max 10W) Configurable from +3.3V to +48V (Max 20W) (Maximum of 40W from the combination of 4 channels)
Line & Load Regulation	Less than $\pm 2\%$ (No load to full load, -50°C to 85°C.)
Ripple & Noise	50mVp-p (Typical)
Temperature co-efficient	0.02%/°C
Short circuit protection	Indefinite short circuit protection with auto recovery.
Efficiency	Up to 80%
Input transient protection	MIL STD# 1275A(100V for 50mSec) and MIL STD -704 A & D (80V for 0.1Sec)
Isolation	200V between input & output. 200V between input & Case. 100V between output & Case.
Environmental (Qualification tests) : Designed to meet MIL STD 810-G	
High Temperature	Operating Up to : 71°C Storage : 85°C
Low Temperature	Operating Up to : -50°C Storage : -50°C
Humidity	+43°C and 95% RH
Shock	20g 11msec
EMI/EMC : Designed to Meet MIL-STD-461E	

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