

P-9500

175Watt, Military,
Ten Output DC/DC Converter



Main Features:

- Miniature size - wide input range
- Input - output isolation
- For Airborne, Missile & Ground applications
- Meets MIL-STD-704A&D & MIL-STD-1275A (AT)
- High efficiency (typically 83%) - base plate cooling
- Fully protected for over-load short circuit, over-voltage & over-temperature
- Ten isolated outputs in two groups: essential & non-essential
- Outputs can be modified upon customer request
- Separate analog & digital ground
- EMI filter included

Typical Applications:

- Electronic Warfare (EW) Systems
- Radar Warning Receivers (RWR)
- Missiles
- Navigation Systems

Ordering Information:

Model #	Voltage	Current	Power	R&N
900-9500-0000	15VA	4.5A	65W	50mV
	-15VA	0.5A	7.5W	50mV
	+5VA	4A	20W	50mV
	-5VA	0.1A	0.5W	50mV
	+5VDig	2.5A	12.5W	50mV
	+3.3VDig	11A	35W	50mV
	+2.5VDig	3.6A	10W	50mV
	5VDig2	1A	5W	50mV
	5VDig2	2	10W	50mV
	3.3VDig2	3.2A	10W	50mV

Product Specifications:

Input	Input voltage range 18-70VDC Input Per Mil-Std-1275A (AT) & Mil-Std-704A & D Input transients - up to 80VDC for 100mSec Input injected ripple - up to 2.8V RMS Reverse Polarity Protection
Output	Output voltage / current - see table "Ordering Information" Line load & temperature regulation +/-1% Current limit and short circuit protection on each output - 110-140% of rated current Over-voltage protection on each output Isolation - Input/Output & Input/Case - >200VDC
Interface	ON/OFF signal - TTL POR - Protection Over Ride
Environment	Operating temperature -40°C - +85°C Base plate Storage temperature - -55°C - +125°C Vibration per Mil-Std-810D Shock per Mil-Std-810D EMI-RFI per Mil-Std-461C - Categories CE03, CS01, CS11, CS114, RE02, RS03 MTBF 22,000 hours typical at 80°C base plate for AUF Per Mil-Hdbk-217F notice-2
Mechanical	Size - 117mm x 42mm x 105mm Weight - 900 gram Cooling - Base plate Input connector - D-type 15 Pin M24308/24-38F Output connector - D-type 37 Pin M24308/23-40

Outline Drawing

