

ELJINTEK, INC.

DC TO DC POWER SUPPLY

PSD40-1-I (5V 4.5A) SPECIFICATION

1) INPUT:

A) INPUT VOLTAGE	12.0 TO 26VDC
B) OUTPUT VOLTAGE	+5 VDC
C) OUTPUT CURRENT	4.5 AMPS
D) OUTPUT POWER RANGE	22.5 WATTS
E) RIPPLE & NOISE	100 mVp-p MAX. (AT 20MHZ BW)
F) LOAD REGULATION	4.50 TO 5.50 VDC ($\pm 10\%$ MAXIMUM)
G) OVER VOLTAGE PROTECTION	NON FUNCTIONALITY
H) OVER CURRENT PROTECTION	NON FUNCTIONALITY
I) SHORT CIRCUIT PROTECTION	NON FUNCTIONALITY

2) ENVIRONMENTAL:

A) OPERATING TEMPERATURE	0 TO +40°C
B) STORAGE TEMPERATURE	-40 TO +85°C
C) RELATIVE HUMIDITY	5% TO 95% NON-CONDENSING
D) DERATING	FROM +40°C DERATE LINEARLY TO 50% AT +70°C

3) GENERAL:

A) EFFICIENCY	60% MINIMUM AT FULL LOAD
B) HOLD-UP TIME	10m SEC MINIMUM
C) LINE REGULATION	$\pm 1\%$ MAXIMUM AT FULL LOAD
D) WITHSTAND VOLTAGE	2121VDC FROM INPUT TO OUTPUT
E) INSULATION RESISTANCE	50M Ω MINIMUM FROM INPUT TO GROUND
F) MEAN TIME BETWEEN FAILURE	100,000 HOURS MIN. AT FULL LOAD AT 25°C AMBIENT