

ELJINTEK, INC.

DC TO DC POWER SUPPLY

PSD40-3-I (12V 3A) SPECIFICATION

1) INPUT:

A) INPUT VOLTAGE	12.0 TO 26VDC
B) OUTPUT VOLTAGE	+12 VDC
C) OUTPUT CURRENT	3 AMPS
D) OUTPUT POWER RANGE	36 WATTS
E) RIPPLE & NOISE	120 mVp-p MAX.(AT 20MHZ BW)
F) LOAD REGULATION	11.40 TO 12.60 VDC (±5% 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	75% MINIMUM AT FULL LOAD
B) HOLD-UP TIME	10m SEC MINIMUM
C) LINE REGULATION	±1% MAXIMUM AT FULL LOAD
D) WITHSTAND VOLTAGE	2121VDC FROM INPUT TO OUTPUT
E) INSULATION RESISTANCE	50MΩ MINIMUM FROM INPUT TO GROUND
F) MEAN TIME BETWEEN FAILURE	100,000 HOURS MIN. AT FULL LOAD AT 25°C AMBIENT