

ELJINTEK, INC.

DC TO DC POWER SUPPLY

PSD18-1-I (5V 3A) SPECIFICATION

1) INPUT:

A) INPUT VOLTAGE	36 TO 72VDC
B) OUTPUT VOLTAGE	+5 VDC
C) OUTPUT CURRENT	3 AMPS
D) OUTPUT POWER RANGE	15 WATTS
E) RIPPLE & NOISE	100 mVp-p MAX. (AT 20MHZ BW)
F) LOAD REGULATION	4.50 TO 5.50 VDC (±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	±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