

ELJINTEK, INC.

DC TO DC POWER SUPPLY

PSD18-4-I (15V 1.2A) SPECIFICATION

1) INPUT:

A) INPUT VOLTAGE	36 TO 72VDC
B) OUTPUT VOLTAGE	+15 VDC
C) OUTPUT CURRENT	1.2 AMPS
D) OUTPUT POWER RANGE	18 WATTS
E) RIPPLE & NOISE	150 mVp-p MAX.
F) LOAD REGULATION	(AT 20MHZ BW)
G) OVER VOLTAGE PROTECTION	14.25 TO 15.75 VDC (±5% MAXIMUM)
H) OVER CURRENT PROTECTION	NON FUNCTIONALITY
I) SHORT CIRCUIT PROTECTION	NON FUNCTIONALITY
	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