

ELJINTEK, INC.

DC TO DC POWER SUPPLY

PSD40-1-1 (7.5V 4A) SPECIFICATION

1) INPUT:

A) INPUT VOLTAGE	11 TO 26VDC
B) OUTPUT VOLTAGE	+7.5 VDC
C) OUTPUT CURRENT	4 AMPS
D) OUTPUT POWER RANGE	30 WATTS
E) RIPPLE & NOISE	100 mVp-p MAX.(AT 20MHZ BW)
F) LOAD REGULATION	7.12 TO 7.88 VDC (±5% MAXIMUM)
G) OVER VOLTAGE PROTECTION	YES,BY ZENER DIODE
H) OVER CURRENT PROTECTION	YES,AUTO-RECOVERY
I) SHORT CIRCUIT PROTECTION	YES,AUTO-RECOVERY

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	65% MINIMUM AT FULL LOAD
B) HOLD-UP TIME	10m SEC MINIMUM
C) LINE REGULATION	±1% MAXIMUM AT FULL LOAD
E) MEAN TIME BETWEEN FAILURE	100,000 HOURS MIN. AT FULL LOAD AT 25°C AMBIENT