

ERL1220-10

20 WATT DC-DC REGULATOR

All Specifications are Typical at Nominal Line, Full load, and 25°C Unless Otherwise Noted.

OUTPUT SPECIFICATIONS

OUTPUT VOLTAGE/CURRENT	Vo = 12V/ 1600mA
VOLTAGE ACCURACY	2% max.
RIPPLE AND NOISE,20MHz BW	1% p-p max.
LINE REGULATION	± 0.5%
LOAD REGULATION	± 0.5%
OVER CURRENT PROTECTION	120%~150%

INPUT SPECIFICATIONS

INPUT VOLTAGE RANGE	16 - 32VDC
INPUT FILTER	PI NETWORK

GENERAL SPECIFICATIONS

EFFICIENCY	(at nominal conditions..... 93%
ISOLATION VOLTAGE	(Input/ Output) NON-ISOLATION
SWITCHING FREQUENCY	150KHz typ.

ENVIRONMENTAL SPECIFICATIONS

OPERATING TEMPERATURE RANGE	- 25°C TO +71°C
CASE TEMPERATURE	100°C max.
STORAGE TEMPERATURE RANGE	- 40°C TO +100°C

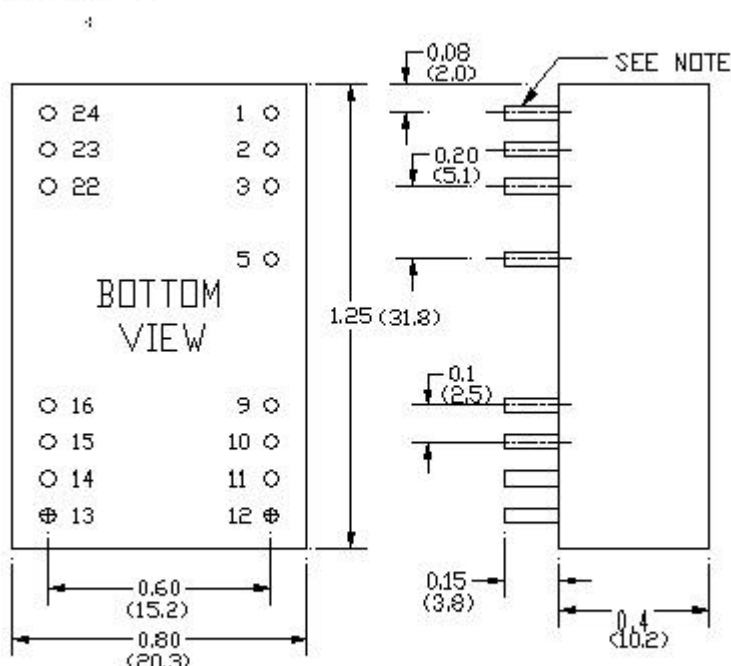
PHYSICAL CHARACTERISTICS

DIMENSIONS	1.25x0.8x0.4 INCHES (31.8x20.3x10.2 mm)
CASE MATERIAL	BLACK COATED COPPER WITH NON-CONDUCTIVE BASE

NOTE:

1. LINE REGULATION : MEASURED FROM HIGE LINE TO LOW LINE
2. LOAD REGULATION : MEASURED FROM FULL LOAD TO 10% LOAD

CASE A



PIN CONNECTION	
Pin	Single Output
1	NP
2	Gi
3	Gi
5	NP
9	Go
10	NC
11	+Vo
12	NP
13	NP
14	+Vo
15	NC
16	Go
22	Vi
23	Vi
24	NP

NOTE : Pin Size is 0.020" Inch (0.5mm) DIA or 0.020x0.14 Inch
All Dimensions In Inches(mm)