

# ERL1524-10

## 24 WATT DC-DC REGULATOR

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

### OUTPUT SPECIFICATIONS

OUTPUT VOLTAGE/CURRENT .....	$V_o = 15V / 1600mA$
VOLTAGE ACCURACY .....	2% max.
RIPPLE AND NOISE, 20MHz BW .....	1% p-p max.
LINE REGULATION .....	$\pm 0.5\%$
LOAD REGULATION .....	$\pm 0.5\%$
OVER CURRENT PROTECTION .....	120%~150%

### INPUT SPECIFICATIONS

INPUT VOLTAGE RANGE .....	19 - 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

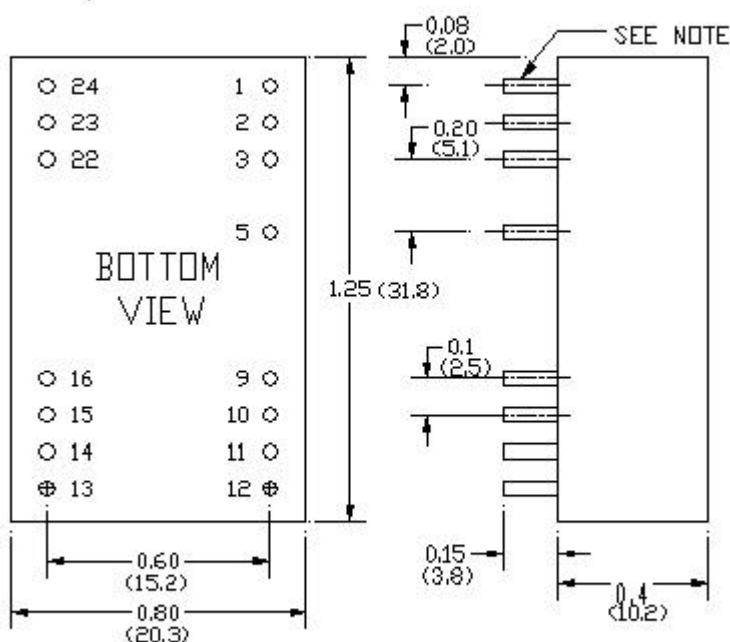
### PHYSICAL CHARACTERISTICS

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