



69D SERIES

WIDE INPUT VOLTAGE RANGE

3 WATTS DC-DC CONVERTER

FEATURES

- 4:1 WIDE INPUT VOLTAGES:10-33VDC,18-72VDC
- 3 WATTS 24PIN DIL(1.25x0.8x0.4inches) PACKAGE
- EFFICIENCY TO 80%
- PI INPUT FILTER



GENERAL SPECIFICATIONS

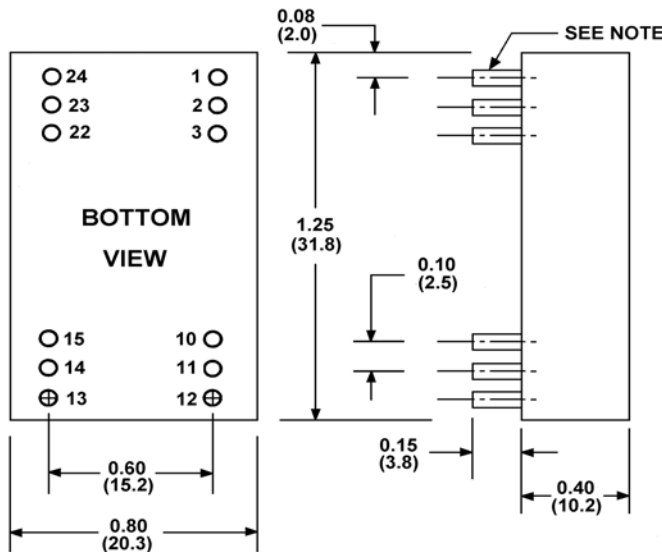
- SWITCHING FREQUENCY : 100KHz TYP.
- OUTPUT RIPPPE & NOISE : 100mVp-p(20MHz B.W.)
- ISOLATION VOLTAGE : 500VDC
- ISOLATION RESISTANCE : 10^9 ohms
- STORAGE TEMPERATURE RANGE : -40°C TO 100°C
- OPERATING TEMPERATURE RANGE : -25°C TO +71°C
- SHORT CIRCUIT PROTECTION : CONTINUOUS
- CASE MATERIAL : BLACK COATED COPPER WITH NON-CONDUCTIVE BASE

ELECTRICAL SPECIFICATIONS

- INPUT VOLTAGE RANGE :24V nominal ...10-33V
- :48V nominal ...18-72V
- OUTPUT VOLTAGE ACCURACY : $\pm 2\%$
- LINE REGULATION : $\pm 0.5\%$
- LOAD REGULATION(SINGLE) : $\pm 0.5\%$
- LOAD REGULATION(DUAL) : $\pm 2\%$
- EFFICIENCY :see table

PART NO.	INPUT RANGE	OUTPUT VOLTAGE	OUTPUT CURRENT	EFFICIENCY (%)
69D-24S05R	10-33VDC	5VDC	500mA	74
69D-24S12R	10-33VDC	12VDC	250mA	77
69D-24S15R	10-33VDC	15VDC	200mA	77
69D-24D05R	10-33VDC	± 5 VDC	± 250 mA	74
69D-24D12R	10-33VDC	± 12 VDC	± 125 mA	77
69D-24D15R	10-33VDC	± 15 VDC	± 100 mA	77
69D-48S05R	18-72VDC	5VDC	500mA	74
69D-48S12R	18-72VDC	12VDC	250mA	77
69D-48S15R	18-72VDC	15VDC	200mA	77
69D-48D05R	18-72VDC	± 5 VDC	± 250 mA	74
69D-48D12R	18-72VDC	± 12 VDC	± 125 mA	76
69D-48D15R	18-72VDC	± 15 VDC	± 100 mA	76

MARKINGS AND DIMENSIONS



Dimensions:inches/mm

PIN CONNECTION

PIN	SINGLE	DUAL
1,2	+INPUT	+INPUT
10,11	NC	COMMON
12	-OUTPUT	NC
13	+OUTPUT	-OUTPUT
15	NC	+OUTPUT
16	NC	NC
20	NC	NC
23,24	-INPUT	-INPUT

Unless otherwise specified, all tolerances are $\pm 0.005/\pm 0.13$