



61D SERIES

WIDE INPUT VOLTAGE RANGE

10 WATTS DC-DC CONVERTER

FEATURES

- 2:1 WIDE INPUT VOLTAGES:9-18V,18-36V,36-72V
- 10 WATTS (2x1x0.4inches) PACKAGE
- EFFICIENCY TO 80%
- P1 INPUT FILTER



GENERAL SPECIFICATIONS

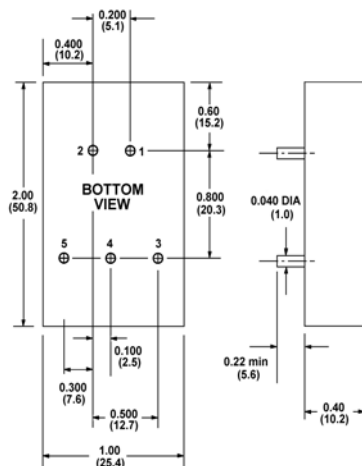
- SWITCHING FREQUENCY : 100KHz TYP.
- OUTPUT RIPPPL & NOISE : 100mVp-p(20MHz B.W.)
- ISOLATION VOLTAGE : 1500VDC
- ISOLATION RESISTANCE : 10⁹ ohms
- STORAGE TEMPERATURE RANGE :-40°C TO 100°C
- OPERATING TEMPERATURE RANGE :-25°C TO +71°C
- SHORT CIRCUIT PROTECTION : CONTINUOUS
- CASE MATERIAL : BLACK COATED COPPER WITH NON-CONDUCTIVE BASE

ELECTRICAL SPECIFICATIONS

- INPUT VOLTAGE RANGE :12V nominal ...9-18V
:24V nominal ...18-36V
:48V nominal ...36-72V
- OUTPUT VOLTAGE ACCURACY :±2%
- LINE REGULATION :±0.5%
- LOAD REGULATION(SINGLE) :±0.5%
- LOAD REGULATION(DUAL) :±2%
- EFFICIENCY :see table
- EMI/RFI :six-sided continuous shield

PART NO.	INPUT RANGE	OUTPUT VOLTAGE	OUTPUT CURRENT	EFFICIENCY (%)
61D-12S05R	9-18VDC	5VDC	2000mA	79
61D-12S12R	9-18VDC	12VDC	830mA	82
61D-12S15R	9-18VDC	15VDC	670mA	82
61D-12D12R	9-18VDC	±12VDC	±416mA	81
61D-12D15R	9-18VDC	±15VDC	±333mA	81
61D-24S05R	18-36VDC	5VDC	2000mA	81
61D-24S12R	18-36VDC	12VDC	830mA	84
61D-24S15R	18-36VDC	15VDC	670mA	84
61D-24D12R	18-36VDC	±12VDC	±416mA	82
61D-24D15R	18-36VDC	±15VDC	±333mA	82
61D-48S05R	36-72VDC	5VDC	2000mA	82
61D-48S12R	36-72VDC	12VDC	830mA	86
61D-48S15R	36-72VDC	15VDC	670mA	86
61D-48D12R	36-72VDC	±12VDC	±416mA	84
61D-48D15R	36-72VDC	±15VDC	±333mA	84

MARKINGS AND DIMENSIONS



Dimensions: inches/mm

PIN CONNECTION

PIN#	SINGLE	DUAL
1	+VIN	+VIN
2	-VIN	-VIN
3	+VOUT	+VOUT
4	No Pin	Common
5	-VOUT	-VOUT

Unless otherwise specified, all tolerances are ±.005/±0.13