



66D SERIES

WIDE INPUT VOLTAGE RANGE

5 WATTS DC-DC CONVERTER

FEATURES

- 2:1 WIDE INPUT VOLTAGES:9-18V,18-36V,36-72V
- 5 WATTS 2x2x0.4inches PACKAGE
- EFFICIENCY TO 80%
- PI INPUT FILTER



GENERAL SPECIFICATIONS

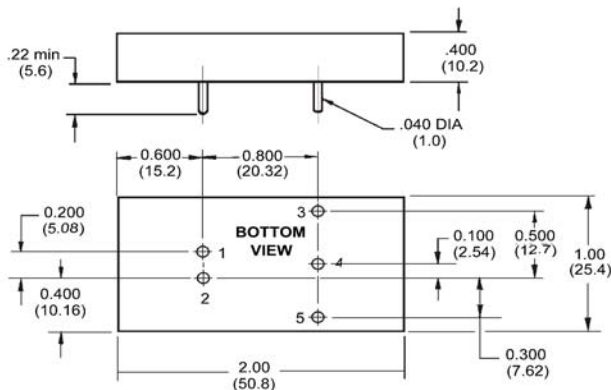
- SWITCHING FREQUENCY : 100KHz TYP.
- OUTPUT RIPPLE & NOISE : 100mVp-p(20MHz B.W.)
- ISOLATION VOLTAGE : 1500VDC
- ISOLATION RESISTANCE : 10^9 ohms
- STORAGE TEMPERATURE RANGE : -40°C TO 100°C
- OPERATING TEMPERATURE RANGE : -25°C TO +71°C
- SHORT CIRCUIT PROTECTION : CONTINUOUS
- CASE MATERIAL : BLACK COATED COPPER WITH NON-CONDUCTIVE BASE

ELECTRICAL SPECIFICATIONS

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

PART NO.	INPUT RANGE	OUTPUT VOLTAGE	OUTPUT CURRENT	EFFICIENCY (%)
66D-12S05R	9-18VDC	5VDC	1000mA	73
66D-12S12R	9-18VDC	12VDC	470mA	80
66D-12S15R	9-18VDC	15VDC	400mA	80
66D-12D12R	9-18VDC	± 12 VDC	± 230 mA	80
66D-12D15R	9-18VDC	± 15 VDC	± 190 mA	80
66D-24S05R	18-36VDC	5VDC	1000mA	74
66D-24S12R	18-36VDC	12VDC	470mA	82
66D-24S15R	18-36VDC	15VDC	400mA	82
66D-24D12R	18-36VDC	± 12 VDC	± 230 mA	82
66D-24D15R	18-36VDC	± 15 VDC	± 190 mA	82
66D-48S05R	36-72VDC	5VDC	1000mA	78
66D-48S12R	36-72VDC	12VDC	470mA	81
66D-48S15R	36-72VDC	15VDC	400mA	81
66D-48D12R	36-72VDC	± 12 VDC	± 230 mA	81
66D-48D15R	36-72VDC	± 15 VDC	± 190 mA	81

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 $\pm 0.005/\pm 0.13$