



45D SERIES

3000V_{rms} SINGLE AND DUAL OUTPUT 2WATT 24PIN DIL DC-DC CONVERTER

FEATURES

- UP TO 2 WATTS OUTPUT POWER
- 24PIN DIL PACKAGE
- 3000V_{rms} ISOLATION
- REGULATED OUTPUT TYPES
- LOW RIPPLE AND NOISE

GENERAL SPECIFICATIONS

- OUTPUT RIPPLE & NOISE : 50mVp-p(20MHz B.W.)
- ISOLATION RESISTANCE : 100MΩ MIN.
- SWITCHING FREQUENCY : 125KHz TYP.
- OPERATING TEMPERATURE : 0°C TO 70°C
- STORAGE TEMPERATURE RANGE : -40°C TO 125°C
- SHORT CIRCUIT PROTECTION : CONTINUOUS
- SHORT CIRCUIT RESTART : AUTOMATIC



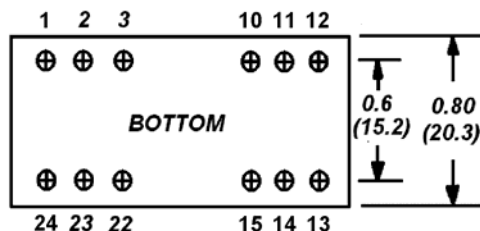
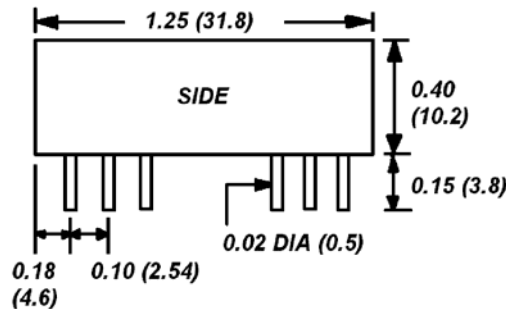
ELECTRICAL SPECIFICATIONS

- INPUT VOLTAGE RANGE : ±10%
- OUTPUT VOLTAGE TOLERANCE : ±5%
- LINE REGULATION (REGULATED) : ±0.3%
- LOAD REGULATION (REGULATED) : ±0.5%
- EFFICIENCY (REGULATED) : 60% TYP

(Typical at nominal input , rated load and 25°C unless otherwise specified)

PART NO.	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	PART NO.	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT
45D-05S05R	5VDC	5VDC	400mA	45D-24S15R	24	15VDC	133mA
45D-05S12R	5VDC	12VDC	165mA	45D-24D12R	24	±12VDC	±83mA
45D-05S15R	5VDC	15VDC	133mA	45D-24D15R	24	±15VDC	±66mA
45D-05D12R	5VDC	±12VDC	±83mA	45D-28S05R	28	5VDC	400mA
45D-05D15R	5VDC	±15VDC	±66mA	45D-28S12R	28	12VDC	165mA
45D-12S05R	12VDC	5VDC	400mA	45D-28S15R	28	15VDC	133mA
45D-12S12R	12VDC	15VDC	166mA	45D-28D12R	28	±12VDC	±83mA
45D-12S15R	12VDC	15VDC	133mA	45D-28D15R	28	±15VDC	±66mA
45D-12D12R	12VDC	±12VDC	±83mA	45D-48S05R	48	5VDC	400mA
45D-12D15R	12VDC	±15VDC	±66mA	45D-48S12R	48	12VDC	165mA
45D-24S05R	24VDC	5VDC	400mA	45D-48S15R	48	15VDC	133mA
45D-24S12R	24VDC	12VDC	165mA	45D-48D12R	48	±12VDC	±83mA

MARKINGS AND DIMENSIONS



PIN CONNECTION

PIN	SINGLE OUTPUT	DUAL OUTPUT
1,2,3	+INPUT	+INPUT
10,11	NC	COMMON
12	-OUTPUT	NC
13	+OUTPUT	-OUTPUT
15	NC	+OUTPUT
22,23,24	-INPUT	-INPUT