

# 45D – SERIES

## 3000Vrms SINGLE AND DUAL OUTPUT 2 WATT 24 PIN DIL DC-DC CONVERTER

### FEATURES

- Up to 2 WATT output power
- 24 pin DIP package
- 3000Vrms isolation.
- Regulated output types
- Low ripple and noise



### GENERAL SPECIFICATIONS

Output ripple and 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

Part Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)
45D-05S05R	5	5	400
45D-05S12R	5	12	165
45D-05S15R	5	15	133
45D-05D12R	5	±12	±83
45D-05D15R	5	±15	±66
45D-12S05R	12	5	400
45D-12S12R	12	15	166
45D-12S15R	12	15	133
45D-12D12R	12	±12	±83
45D-12D15R	12	±15	±66
45D-24S05R	24	5	400
45D-24S12R	24	12	165
45D-24S15R	24	15	133
45D-24D12R	24	±12	±83
45D-24D15R	24	±15	±66
45D-28S05R	28	5	400
45D-28S12R	28	12	165
45D-28S15R	28	15	133
45D-28D12R	28	±12	±83
45D-28D15R	28	±15	±66
45D-48S05R	48	5	400
45D-48S12R	48	12	165
45D-48S15R	48	15	133
45D-48D12R	48	±12	±83

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

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### 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

### MARKING AND DIMENSION

Dimensions: inches/mm unless otherwise specified, all tolerances are  $\pm 0.05/\pm 0.13$

