

69D – SERIES

WIDE INPUT VOLTAGE RANGE 3 WATT DC-DC CONVERTER

FEATURES

- 4:1 wide Input voltage: 10-33VDC, 18-27VDC
- 3 WATT 24 pin DIL (1.25 x 0.8 x 0.4 inches) package.
- Efficiency to 80%
- PI input filter



GENERAL SPECIFICATIONS

Switching frequency	: 100KHz TYP.
Output ripple and noise	: 100mVp-p (20MHz B.W.)
Isolation voltage	: 500VDC
Isolation	: 10 ⁹ ohms
Storage temperature range	: -40°C 100°C
Operating temperature	: -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	: ±2%
Line regulation	: ±0.5%
Load regulation (Single)	: ±0.5%
Load regulation (Dual)	: ±2%
Efficiency	: see table

Part Number	Input Voltage Range (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
69D-24S05R	10-33	5	500	74
69D-24S12R	10-33	12	250	77
69D-24S15R	10-33	15	200	77
69D-24D05R	10-33	±5	±250	74
69D-24D12R	10-33	±12	±125	77
69D-24D15R	10-33	±15	±100	77
69D-48S05R	18-72	5	500	74
69D-48S12R	18-72	12	250	77
69D-48S15R	18-72	15	200	77
69D-48D05R	18-72	±5	±250	74
69D-48D12R	18-72	±12	±125	76
69D-48D15R	18-72	±15	±100	76

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

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MARKING AND DIMENSION

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

