

82D – SERIES

6 WATT REGULATED DC-DC CONVERTER

FEATURES

- Up to 6 WATT output power
- 2 x 2 x 0.4 inches package.
- PI input filter
- Regulated output types
- Low ripple and noise



GENERAL SPECIFICATIONS

Isolation resistance	: 500VDC Min.
Isolation resistance	: 100mΩ Min@500VDC
Switching frequency	: 50KHz TYP.
Operating temperature range	: -25°C to 85°C
Storage temperature range	: -40°C to +100°C
Short circuit protection	: Continuous
Case material	: Black coated copper with : Non-conductive base

ELECTRICAL SPECIFICATIONS

Input voltage range	: ±10%
Output voltage accuracy	: ±5%
Line regulation	: ±0.3%
Load regulation	: ±0.5%
Output ripple and noise	: 50mVp-p (20MHz B.W.)
Efficiency	: 60%

Part Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
82D-05S05R	5	5	1200	60
82D-05S12R	5	12	500	65
82D-05D15R	5	±15	±200	65
82D-12S12R	12	12	500	65
82D-12S15R	12	15	400	65
82D-12D12R	12	±12	±250	65
82D-24S05R	24	5	1200	60
82D-24S15R	24	15	500	65
82D-24D12R	24	±12	±250	65
82D-48D15R	48	15	400	65
82D-48D12R	48	±12	±250	65
82D-48D15R	48	±15	±200	65

PIN CONNECTION

PIN	SINGLE OUTPUT	DUAL OUTPUT
1	+INPUT	+INPUT
2	-INPUT	-INPUT
3	+OUTPUT	+OUTPUT
4	NC	COMMON
5	-OUTPUT	-OUTPUT

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MARKING AND DIMENSION

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

