5-6 WATT 2:1 WIDE INPUT DC/DC POWER MODULES

(SQUARE PACKAGE)

FEATURES

- 5.0 to 6.0 Watt Isolated Output
- Regulated Output
- High Conversion Efficiency
- Continuous Short Circuit Protection

GENERAL SPECIFICATIONS

- Efficiency .....PerTable
- Switching Frequency ..... 100KHz Min.
- Isolation Voltage: ..... 500Vdc Min.
- Operating Temperature ..... -25 to +75°C
  Derate Linearly to no load @ 100°C max.
- Case Material:
  Non-Conductive Black Plastic
- EMI/RFI..... Six-Sided Continuous Shield

INPUT SPECIFICATIONS

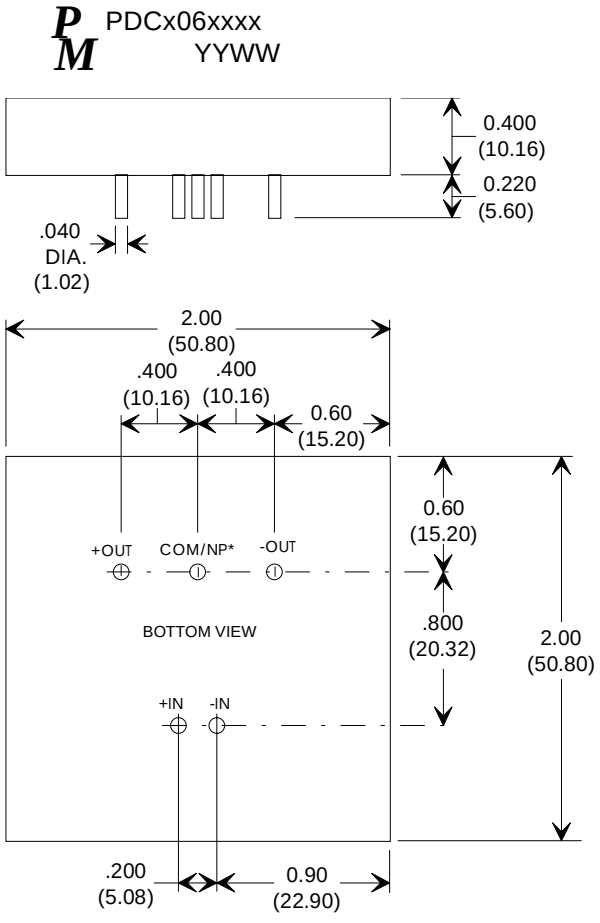
- Voltage ..... 12, 24, 48 Vdc
- Voltage Range ..... 9-18,18-36,36-72 Vdc
- Input Filter ..... Pi Type

OUTPUT SPECIFICATIONS

- Voltage ..... Per Table
- Initial Voltage Accuracy ..... ±2% typ
- Voltage Stability ..... ±0.05% max
- Ripple&Noise .... 100 mVp-p Max
- Load Regulation (10 to 100% Load)
  Single Output Units: ± 0.5%
  Dual Output Units: ± 1.0%
- Line Regulation ..... ±0.5% typ.
- Temp Coefficient ..... ±0.05% /°C
- Short Circuit Protection ..... Continuous

PACKAGE

PHYSICAL DIMENSIONS
DIMENSIONS IN inches (mm)



NP* - NO PIN ON SINGLE OUTPUT MODELS

Specifications subject to change without notice.

PDCx0616x 02/01

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ELECTRICAL SPECIFICATIONS AT 25°C - OPERATING TEMPERATURE RANGE -25°C TO +75°C

PART NUMBER	INPUT VOLTAGE		OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mAdc)	INPUT CURRENT		EFFICIENCY
	NOMINAL	RANGE			NO LOAD mA	FULL LOAD mA	
PDCS06161	12	9-18	5	1000	7.5	545	77
PDCS06162	12	9-18	12	470	7.5	585	80
PDCS06163	12	9-18	15	400	7.5	625	80
PDCD06162	12	9-18	±12	±230	12	575	80
PDCD06163	12	9-18	±15	±190	12	590	80
PDCS06166	24	18-36	5	1000	5	265	78
PDCS06167	24	18-36	12	470	5	285	82
PDCS06168	24	18-36	15	400	5	305	82
PDCD06167	24	18-36	±12	±230	7.5	285	81
PDCD06168	24	18-36	±15	±190	7.5	295	81
PDCS06171	48	36-72	5	1000	2	133	78
PDCS06172	48	36-72	12	470	2	143	81
PDCS06173	48	36-72	15	400	2	154	81
PDCD06172	48	36-72	±12	±230	3	142	81
PDCD06173	48	36-72	±15	±190	3	147	81