

5-6 WATT FIXED INPUT DC/DC POWER MODULES

(Square Package)

FEATURES

- 5.0 to 6.0 Watt Isolated Output
- Regulated Output
- High Performance
- Low Ripple and Noise

GENERAL SPECIFICATIONS

- Efficiency 60%
- Switching Frequency 20KHz 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 5,12, 24, 28, 48 Vdc
- Voltage Range ± 10%
- Input Filter Pi Type

OUTPUT SPECIFICATIONS

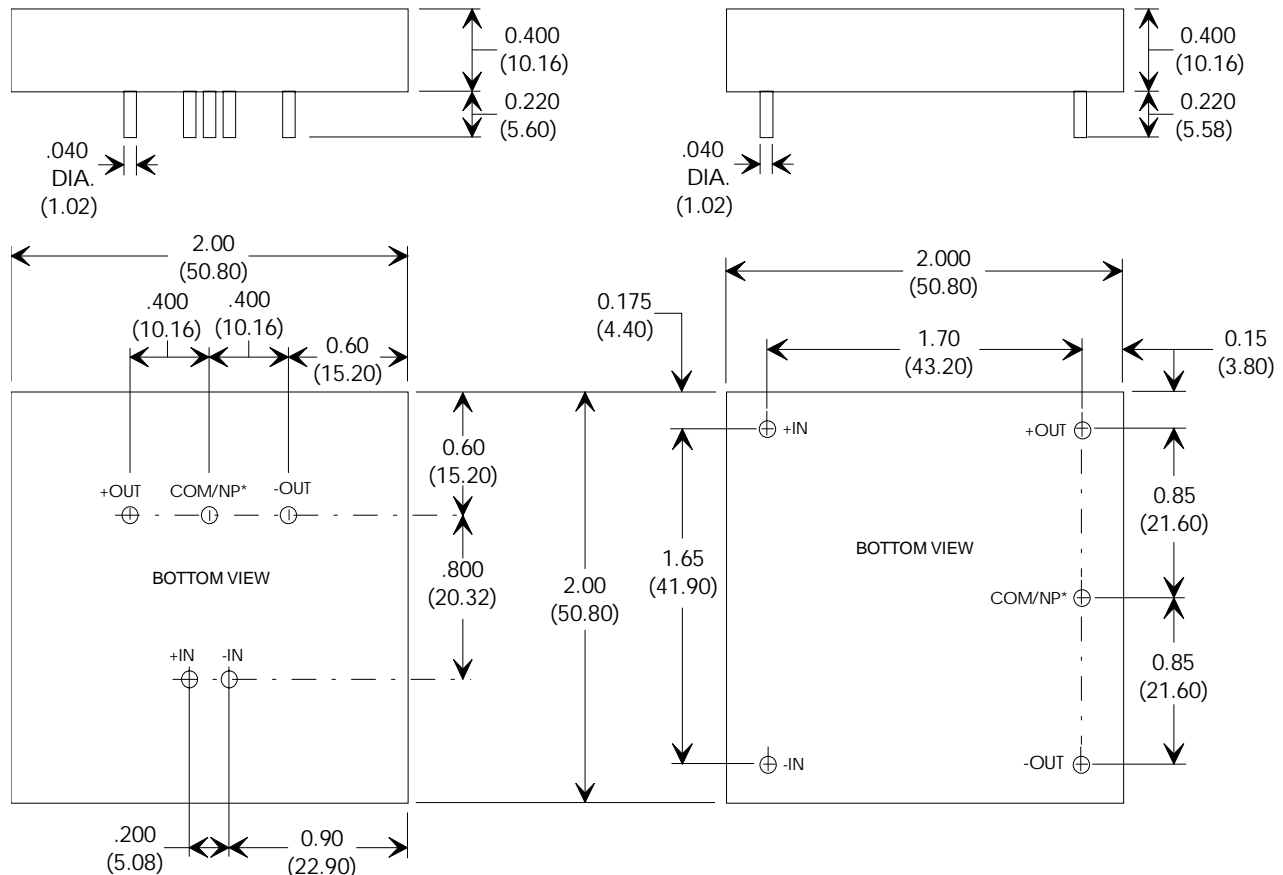
- Voltage Per Table
- Initial Voltage Accuracy ±1% typ
- Voltage Stability ±0.05% max
- Ripple&Noise Single/Dual.....50/35 mVp-p Max
- Load Regulation ± 0.05%
- Line Regulation ±0.02% typ.
- Temp Coefficient ±0.02% /°C
- Short Circuit Protection Short Term

PACKAGE "AA"

PHYSICAL DIMENSIONS DIMENSIONS IN inches (mm)

PACKAGE "BB"

P PDCx06xxxx
M YYWW



NP* - NO PIN ON SINGLE OUTPUT MODELS



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

| PART NUMBER | INPUT VOLTAGE (Vdc) | OUTPUT VOLTAGE (Vdc) | OUTPUT CURRENT (mA _{dc}) | INPUT CURRENT | | PACKAGE |
|-------------|---------------------|----------------------|------------------------------------|---------------|--------------|---------|
| | | | | NO LOAD mA | FULL LOAD mA | |
| PDCS06081 | 5 | 5 | 1000 | 60 | 1700 | AA |
| PDCS06082 | 5 | 12 | 470 | 70 | 1750 | AA |
| PDCS06083 | 5 | 15 | 400 | 70 | 1800 | AA |
| PDCD06082 | 5 | ±12 | ±230 | 130 | 1700 | AA |
| PDCD06083 | 5 | ±15 | ±190 | 140 | 1700 | AA |
| PDCS06086 | 12 | 5 | 1000 | 40 | 690 | AA |
| PDCS06087 | 12 | 12 | 470 | 40 | 700 | AA |
| PDCS06088 | 12 | 15 | 400 | 40 | 750 | AA |
| PDCD06087 | 12 | ±12 | ±230 | 60 | 710 | AA |
| PDCD06088 | 12 | ±15 | ±190 | 60 | 710 | AA |
| PDCS06091 | 24 | 5 | 1000 | 20 | 350 | AA |
| PDCS06092 | 24 | 12 | 470 | 20 | 340 | AA |
| PDCS06093 | 24 | 15 | 400 | 20 | 360 | AA |
| PDCD06092 | 24 | ±12 | ±230 | 35 | 360 | AA |
| PDCD06093 | 24 | ±15 | ±190 | 35 | 360 | AA |
| PDCS06096 | 28 | 5 | 1000 | 20 | 290 | AA |
| PDCS06097 | 28 | 12 | 470 | 20 | 300 | AA |
| PDCS06098 | 28 | 15 | 400 | 20 | 310 | AA |
| PDCD06092 | 28 | ±12 | ±230 | 25 | 290 | AA |
| PDCD06093 | 28 | ±15 | ±190 | 25 | 290 | AA |
| PDCS06101 | 48 | 5 | 1000 | 14 | 170 | AA |
| PDCS06102 | 48 | 12 | 470 | 14 | 170 | AA |
| PDCS06103 | 48 | 15 | 400 | 14 | 180 | AA |
| PDCD06102 | 48 | ±12 | ±230 | 20 | 170 | AA |
| PDCD06103 | 48 | ±15 | ±190 | 20 | 170 | AA |
| PDCS06106 | 5 | 5 | 1000 | 60 | 1700 | BB |
| PDCS06107 | 5 | 12 | 470 | 70 | 1750 | BB |
| PDCS06108 | 5 | 15 | 400 | 70 | 1800 | BB |
| PDCD06107 | 5 | ±12 | ±230 | 130 | 1700 | BB |
| PDCD06108 | 5 | ±15 | ±190 | 140 | 1700 | BB |
| PDCS06111 | 12 | 5 | 1000 | 40 | 690 | BB |
| PDCS06112 | 12 | 12 | 470 | 40 | 700 | BB |
| PDCS06113 | 12 | 15 | 400 | 40 | 750 | BB |

Specifications subject to change without notice.

PDCx0608x 01/01



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| PART NUMBER | INPUT VOLTAGE (Vdc) | OUTPUT VOLTAGE (Vdc) | OUTPUT CURRENT (mA _{dc}) | INPUT CURRENT | | PACKAGE |
|-------------|---------------------|----------------------|------------------------------------|---------------|--------------|---------|
| | | | | NO LOAD mA | FULL LOAD mA | |
| PDCD06112 | 12 | ±12 | ±230 | 60 | 710 | BB |
| PDCD06113 | 12 | ±15 | ±190 | 60 | 710 | BB |
| PDCS06116 | 24 | 5 | 1000 | 20 | 350 | BB |
| PDCS06117 | 24 | 12 | 470 | 20 | 340 | BB |
| PDCS06118 | 24 | 15 | 400 | 20 | 360 | BB |
| PDCD06117 | 24 | ±12 | ±230 | 35 | 360 | BB |
| PDCD06118 | 24 | ±15 | ±190 | 35 | 360 | BB |
| PDCS06121 | 28 | 5 | 1000 | 20 | 290 | BB |
| PDCS06122 | 28 | 12 | 470 | 20 | 300 | BB |
| PDCS06123 | 28 | 15 | 400 | 20 | 310 | BB |
| PDCD06122 | 28 | ±12 | ±230 | 25 | 290 | BB |
| PDCD06123 | 28 | ±15 | ±190 | 25 | 290 | BB |
| PDCS06126 | 48 | 5 | 1000 | 14 | 170 | BB |
| PDCS06127 | 48 | 12 | 470 | 14 | 170 | BB |
| PDCS06128 | 48 | 15 | 400 | 14 | 180 | BB |
| PDCD06127 | 48 | ±12 | ±230 | 20 | 170 | BB |
| PDCD06128 | 48 | ±15 | ±190 | 20 | 170 | BB |