

## 2.0 WATT DC-DC CONVERTER

### Unregulated, 16 Pins SMD

#### FEATURES

- ① Up to 1.8 Watts Output Power
- ② 16Pins SMD Package
- ③ 2000 Vdc
- ④ Unregulated Output Types

#### GENERAL SPECIFICATIONS

- Output Ripple & Noise..... 100mVp-p(20MHz B.W.)
- Isolation Resistance ..... 100M $\Omega$  Min @500VDC
- Switching Frequency..... 100KHz TYP
- Operating Temperature..... 0 °C To +70 °C
- Efficiency (Unregulated)..... 70% TYP
- Short Circuit Protection..... Short Term

#### ELECTRICAL SPECIFICATIONS

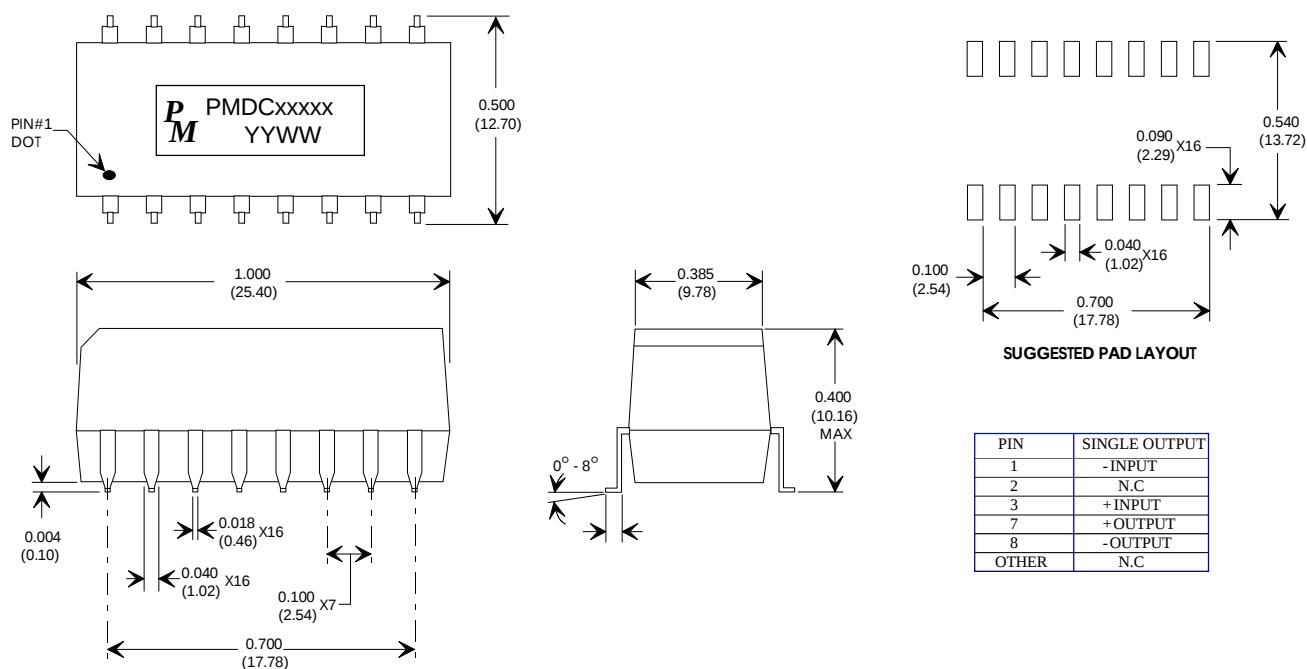
- Input Voltage Range.....  $\pm 5\%$
- Output Voltage Tolerance.....  $\pm 5\%$
- Line Regulation (10% To 100% F.L).....  $\pm 1.2\%$
- Load Regulation (10% To 100% F.L)....  $\pm 10\%$

#### ELECTRICAL SPECIFICATIONS AT 25°C - OPERATING TEMPERATURE RANGE 0°C TO +70°C

| PART NUMBER | INPUT VOLTAGE (Vdc) | OUTPUT VOLTAGE (Vdc) | OUTPUT CURRENT (mA max.) | EFFICIENCY (%) |
|-------------|---------------------|----------------------|--------------------------|----------------|
| PM-DC05105  | 5.0                 | 5.0                  | 360                      | 70             |
| PM-DC05109  | 5.0                 | 9.0                  | 200                      | 75             |
| PM-DC05112  | 5.0                 | 12.0                 | 150                      | 75             |
| PM-DC05115  | 5.0                 | 15.0                 | 120                      | 75             |
| PM-DC12105  | 12.0                | 5.0                  | 360                      | 70             |
| PM-DC12109  | 12.0                | 9.0                  | 200                      | 75             |
| PM-DC12112  | 12.0                | 12.0                 | 150                      | 75             |
| PM-DC12115  | 12.0                | 15.0                 | 120                      | 75             |

#### PACKAGE

#### PHYSICAL DIMENSIONS .... DIMENSIONS IN INCH (mm)



Specifications subject to change without notice.

PM-DCXXXXX 9/2000

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#### FEATURES

- ① Up to 1.8 Watts Output Power
- ② 16Pins SMD Package
- ③ 2000 Vdc

#### GENERAL SPECIFICATIONS

- Input Filter..... Capacitor Type
- Output Ripple & Noise..... 100mVp-p(20MHz B.W.)
- Isolation Resistance ..... 100MΩ Min @500VDC
- Switching Frequency..... 25KHz TYP
- Operating Temperature..... 0 °C To +70 °C
- Efficiency (Unregulated)..... 70% TYP
- Short Circuit Protection..... Current Limit (80-450mA)
- Short Circuit RESTART..... Automatic
- Remote On/Off..... Active Hi Enable, Pin 2

#### ELECTRICAL SPECIFICATIONS

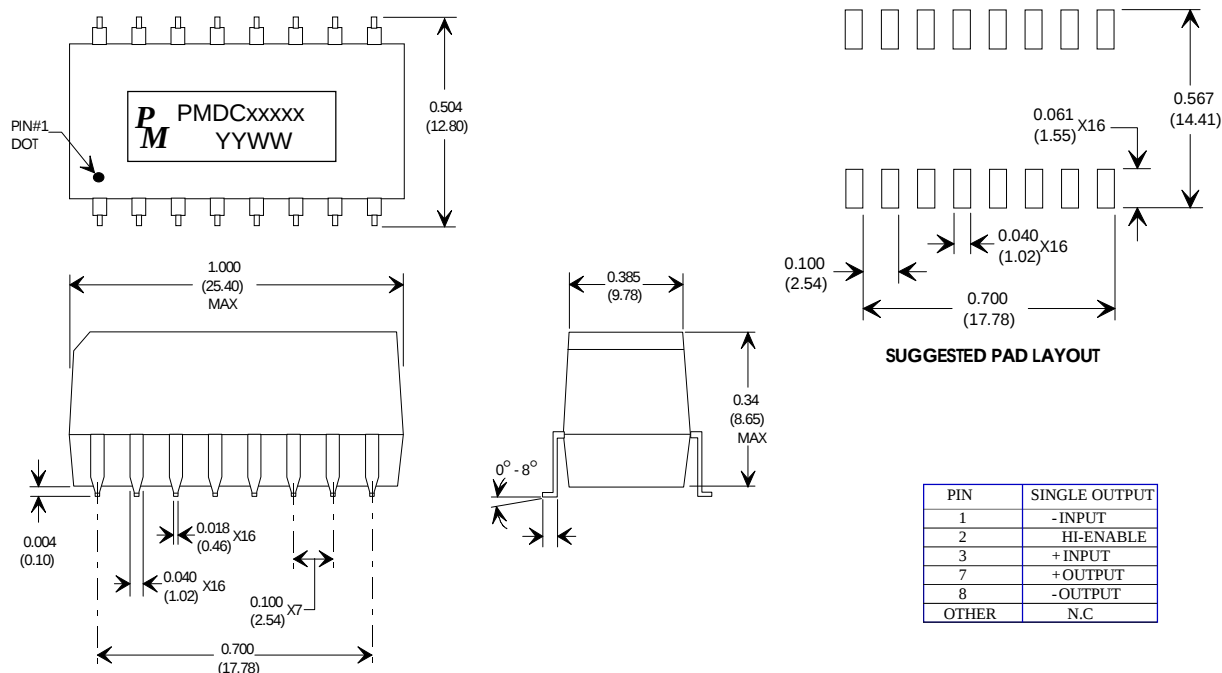
- Input Voltage Range..... ± 5%
- Output Voltage Tolerance..... ± 5%
- Line Regulation ..... 8%
- Load Regulation ..... 12%

#### ELECTRICAL SPECIFICATIONS AT 25°C - OPERATING TEMPERATURE RANGE 0°C TO +70°C

| PART NUMBER | INPUT VOLTAGE (Vdc) | OUTPUT VOLTAGE (Vdc) | OUTPUT CURRENT (mA max.) | EFFICIENCY (%) |
|-------------|---------------------|----------------------|--------------------------|----------------|
| PM-DC05209  | 5.0                 | 9.0                  | 200                      | 75             |

#### PACKAGE

#### PHYSICAL DIMENSIONS .... DIMENSIONS IN INCH (mm)



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