

PM1 SERIES P5LU-XXXXELF 3KV ISOLATED 0.75W UNREGULATED SINGLE OUTPUT SIP7

Other specifications please enquire.

Electrical Specifications

(Typical at + 25° C, nominal input voltage, rated output current unless otherwise specified)

Input Specifications

Voltage range +/- 10 %
 Filter Capacitors

Isolation Specifications

Rated voltage 3000 VDC

Resistance 10⁹ Ohm
 Capacitance 60 pF typ.

Output Specifications

Voltage accuracy +/- 3 %, max.
 Ripple and noise (at 20 MHz BW) 75 mV p-p, max.
 Short circuit protection Momentary
 Line voltage regulation +/- 1,2 % / 1,0 % of Vin
 Load voltage regulation +/- 8 %, load = 20 ~ 100 %
 Temperature coefficient +/- 0,02 % / °C

General Specifications

Efficiency 70 % to 85 %
 Switching frequency 125 KHz, typ.

Environmental Specifications

Operating temperature (ambient) - 40° C to + 85° C
 Storage temperature - 55 °C to + 125 °C
 Derating See graph
 Humidity Up to 90 %, non condensing
 Cooling Free air convection

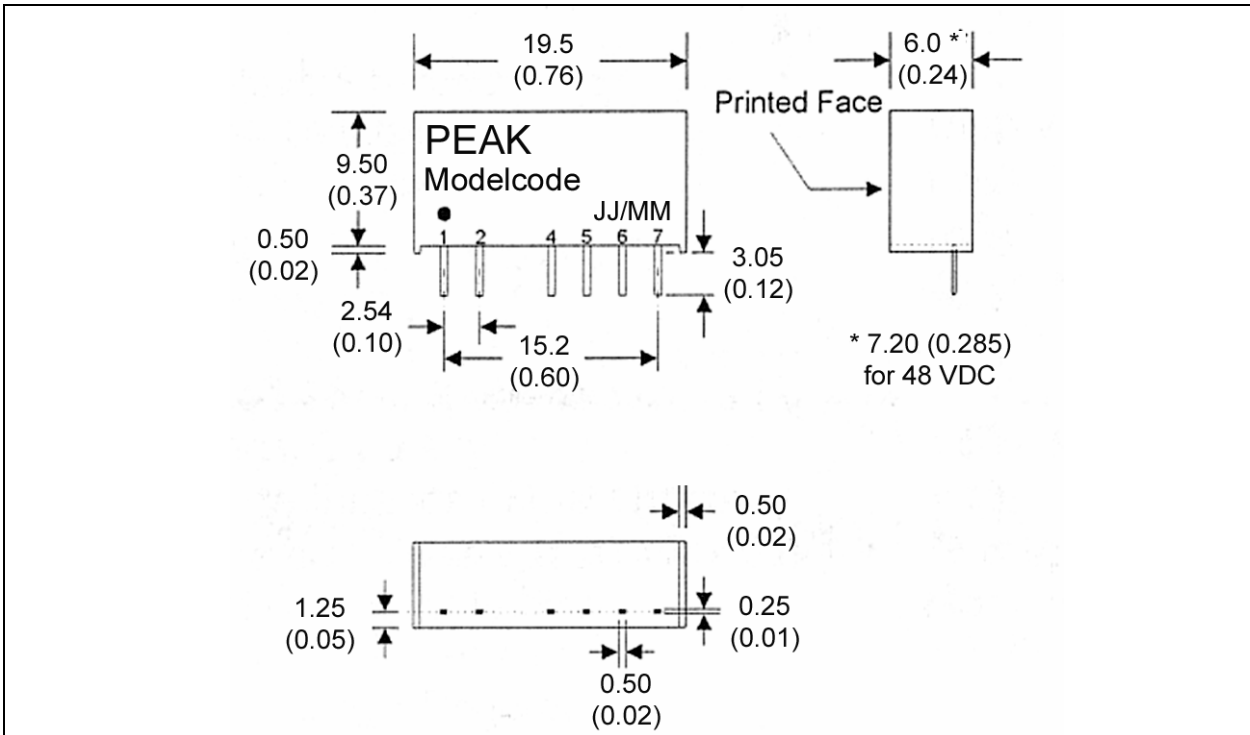
Physical Characteristics

RoHS conform Soldering 260° C max. 10 seconds
 Weight 2 g, 3 g for the 48 VDC variants
 Case material Non conductive black plastic

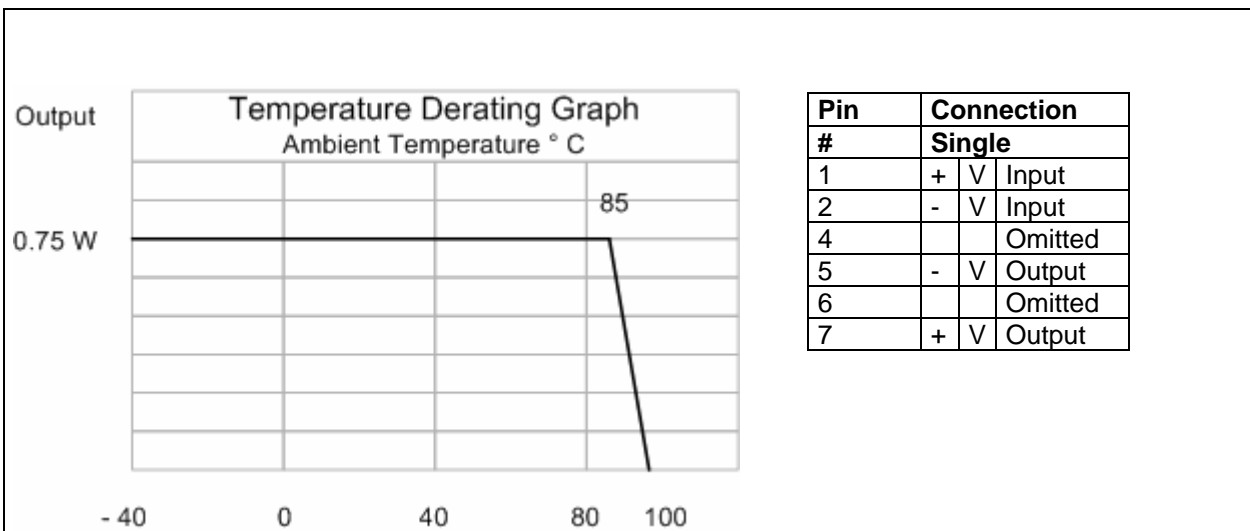
Examples for Partnumbers

| PART NO. | INPUT VOLTAGE (VDC) | INPUT CURRENT NO LOAD | INPUT CURRENT FULL LOAD | OUTPUT VOLTAGE (VDC) | OUTPUT CURRENT (max. mA) | EFFICIENCY FULL LOAD (% TYP.) |
|--------------|---------------------|-----------------------|-------------------------|----------------------|--------------------------|-------------------------------|
| P5LU-0505ELF | 5 | 20 | 216 | 5 | 150 | 70 |

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

Copyright PEAK electronics GmbH

REV:0 / 01.2004

Note : RoHS conform LF at the end of model code or date code added 2005