

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

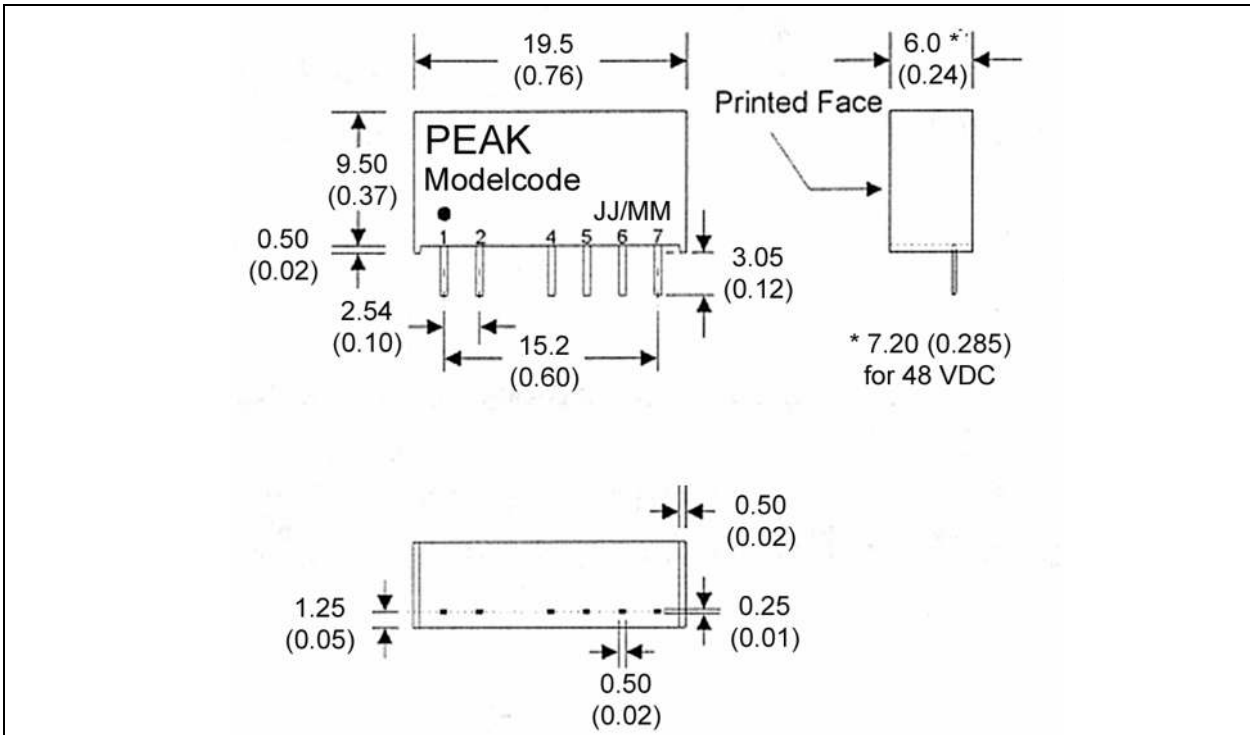
Physical Characteristics

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

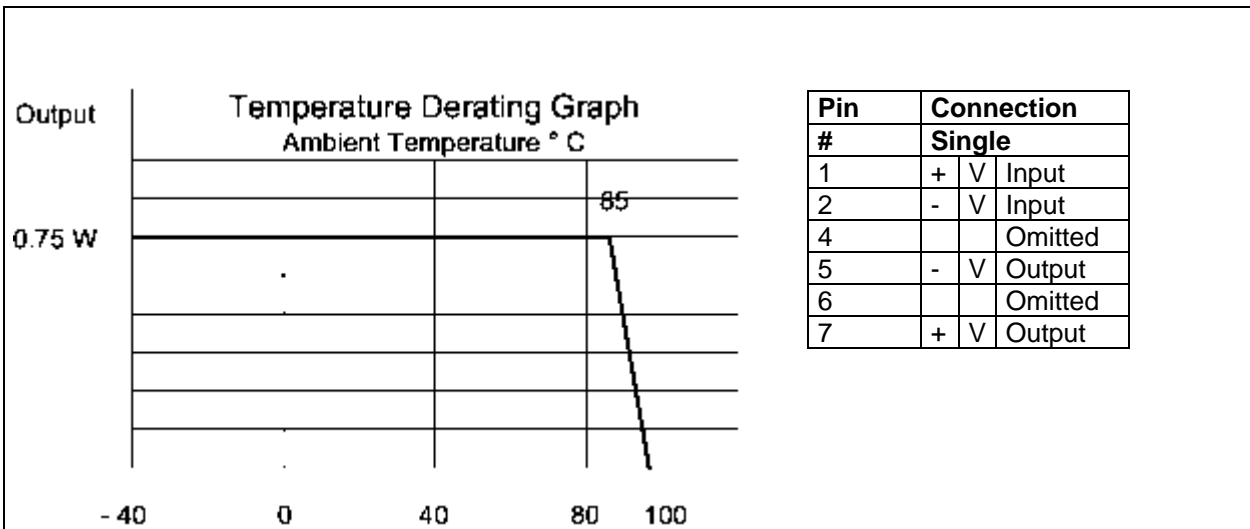
Examples for Partnumbers

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.

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