

PM1 SERIES P5CU-XXXXELF 1KV ISOLATED 0.75 W UNREGULATED SINGLE OUTPUT SIP7

Available Inputs:

5, 12, 24 VDC

Available Outputs:

5, 12, and 15 VDC

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 1000 VDC

Resistance 10⁹ Ohm

Capacitance 80 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

Weight 2 g

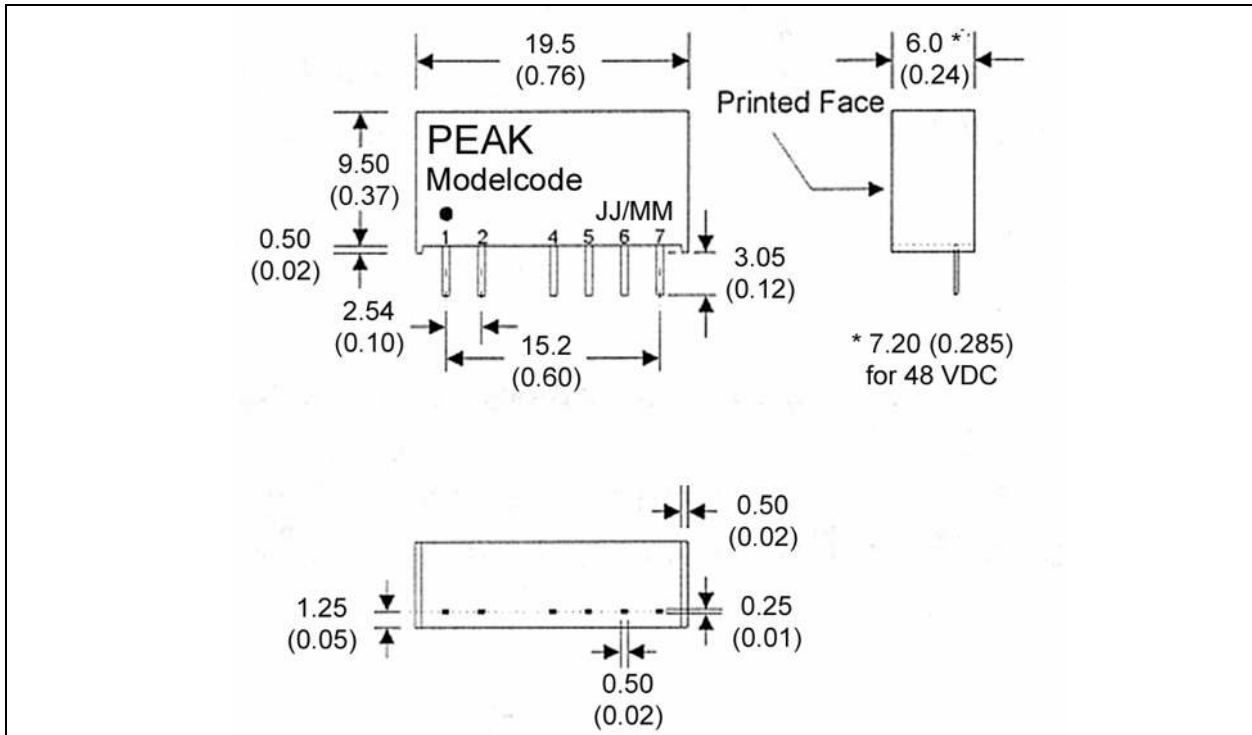
Case material Non conductive black plastic

RoHS conform Soldering 260° C max. 10 seconds

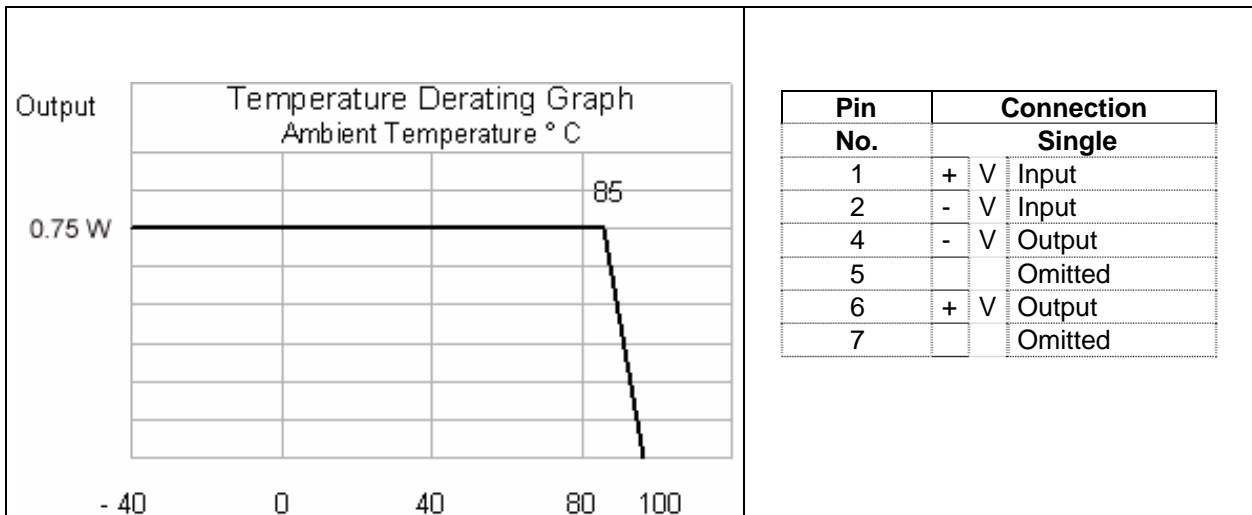
Samples of Partnumbers

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P5CU-0505ELF	5	20	216	5	150	70
P5CU-0512ELF	5	20	200	12	62	73
P5CU-0515ELF	5	20	199	15	50	75
P5CU-1205ELF	12	10	90	5	150	69
P5CU-1212ELF	12	10	81	12	62	77
P5CU-1215ELF	12	10	78	15	50	80
P5CU-2405ELF	24	8	44	5	150	70
P5CU-2412ELF	24	8	42	12	62	74
P5CU-2415ELF	24	8	41	15	50	76

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