

**M3 SERIES**

**P10CU-XXXXZ 1KV ISOLATED 2W UNREGULATED DUAL OUTPUT SIP7**

**Available Inputs:**

**5, 12, 24 and 48 VDC**

**Available Outputs:**

**(+/-) 5, 7.2, 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  
Leakage current 1 mA  
Resistance 10<sup>9</sup> Ohm  
Capacitance 60 pF typ.

**Output Specifications**

Voltage accuracy +/- 5 %, 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 85 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

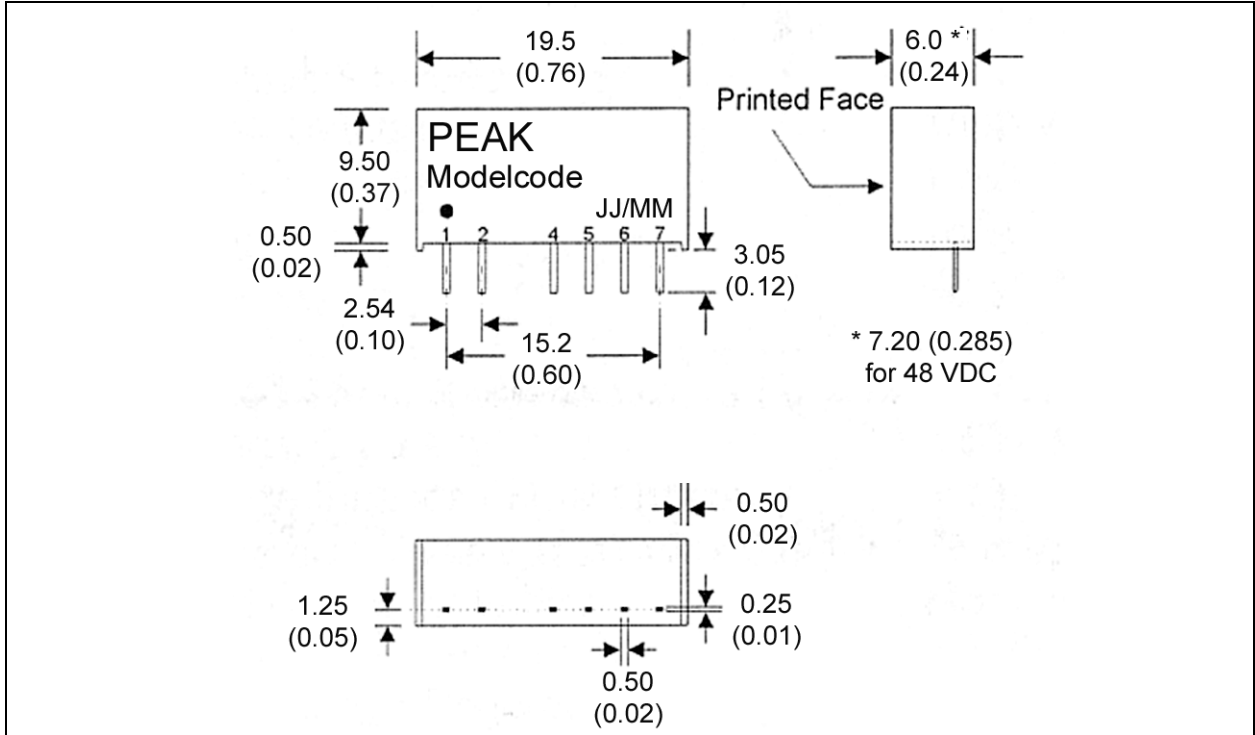
**Physical Characteristics**

Dimensions SIP 19,50 x 6,00 x 9,50 mm  
0,76 x 0,24 x 0,37 inches  
Weight 2,5 g 3,5 g for 48 VDC  
Case material Non conductive black plastic

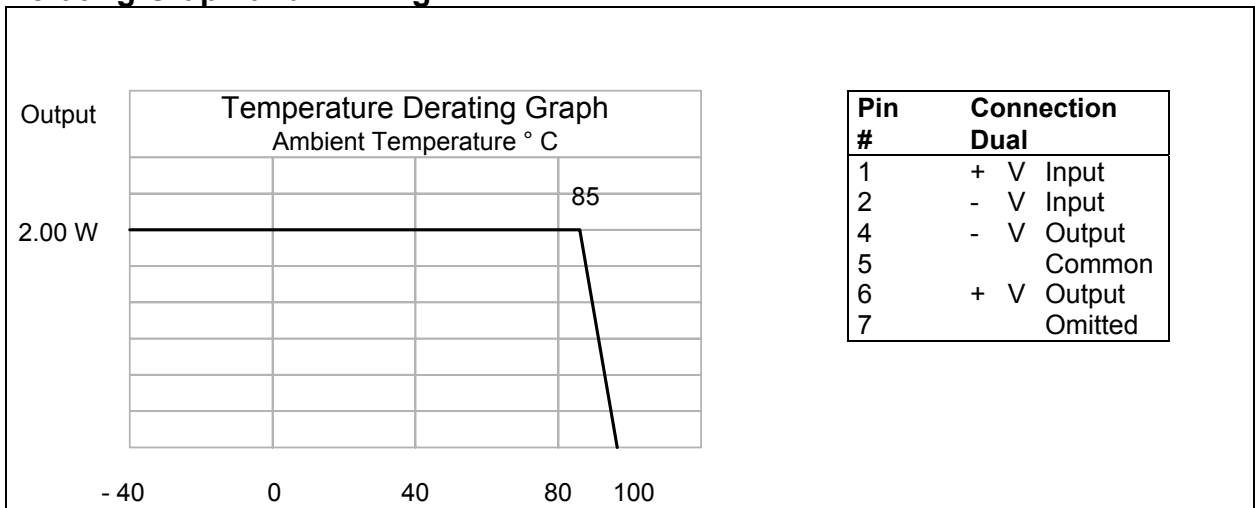
**Examples of Partnumbers/Modelcode**

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P10CU-0505Z	5	28	555	+/- 5	+/- 200	72
P10CU-0512Z	5	26	500	+/- 12	+/- 84	80
P10CU-0515Z	5	25	494	+/- 15	+/- 67	81
P10CU-1205Z	12	22	225	+/- 5	+/- 200	74
P10CU-1212Z	12	20	208	+/- 12	+/- 84	80
P10CU-1215Z	12	20	208	+/- 15	+/- 67	80
P10CU-2405Z	24	11	111	+/- 5	+/- 200	75
P10CU-247R2Z	24	10	107	+/- 7,2	+/- 139	78
P10CU-2412Z	24	8	102	+/- 12	+/- 84	81
P10CU-2415Z	24	8	102	+/-15	+/- 67	82

**Dimensions**



**Derating Graph and Pinning**



Specification can be changed without notice.

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