Telefon: +49 (0) 6135 931069
Telefax: +49 (0) 6135 931070
www.peak-electronics.de
info@peak-electronics.de

M3 SERIES **P10LU-XXXXZ 3KV 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

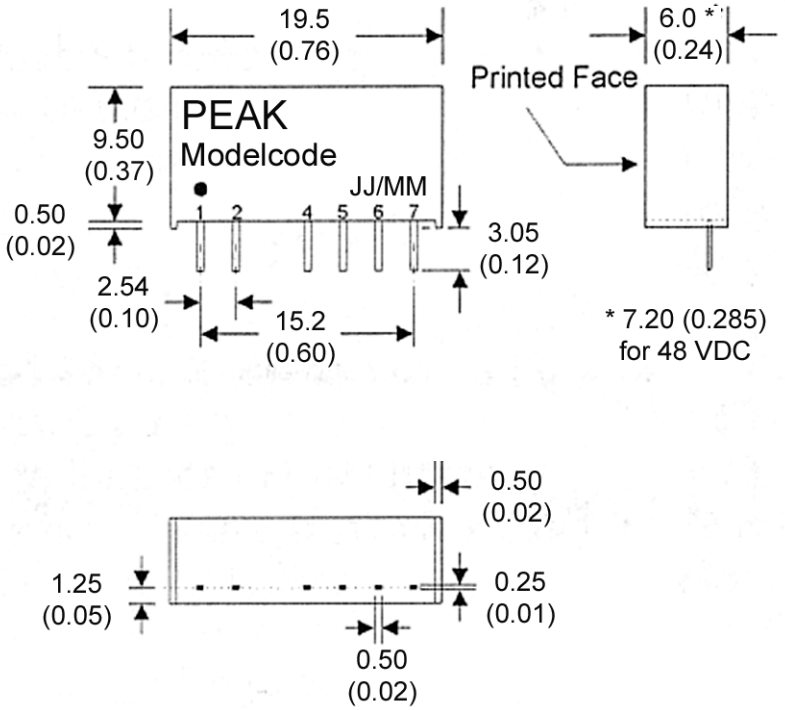
Electrical Specifications
(Typical at + 25° C, nominal input voltage, rated output current unless otherwise specified)

Input Specifications	
Voltage range	+/- 10 %
Filter	Capacitors
Isolation Specifications	
Rated voltage	3000 VDC
Leakage current	1 mA
Resistance	10^9 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

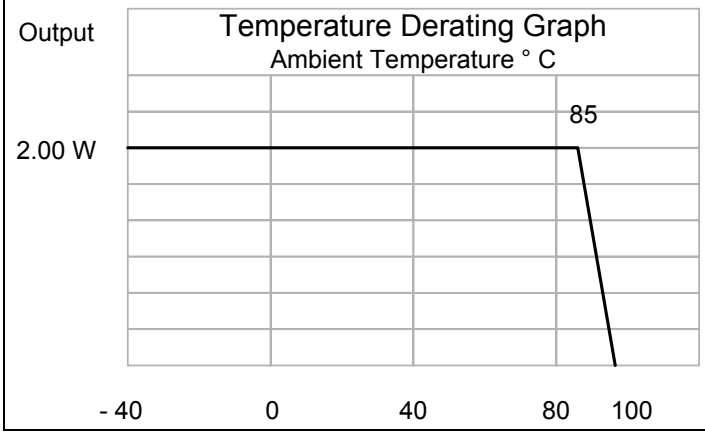
Examples of Partnumbers/Modelcode

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P10LU-0505Z	5	28	555	+/- 5	+/- 200	72
P10LU-0512Z	5	26	500	+/- 12	+/- 84	80
P10LU-0515Z	5	25	494	+/- 15	+/- 67	81
P10LU-1205Z	12	22	225	+/- 5	+/- 200	74
P10LU-1212Z	12	20	208	+/- 12	+/- 84	80
P10LU-1215Z	12	20	208	+/- 15	+/- 67	80
P10LU-2405Z	24	11	111	+/- 5	+/- 200	75
P10LU-247R2Z	24	10	107	+/- 7,2	+/- 139	78
P10LU-2412Z	24	8	102	+/- 12	+/- 84	81
P10LU-2415Z	24	8	102	+/-15	+/- 67	82

Dimensions



Derating Graph and Pinning



Pin #	Connection Dual
1	+ V Input
2	- V Input
4	Omitted
5	- V Output
6	Common
7	+ V Output

Specification can be changed without notice. Copyright PEAK electronics GmbH