

M3 SERIES
P10LU-XXXXE 3KV ISOLATED 2W UNREGULATED SINGLE 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 V_{in}
 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

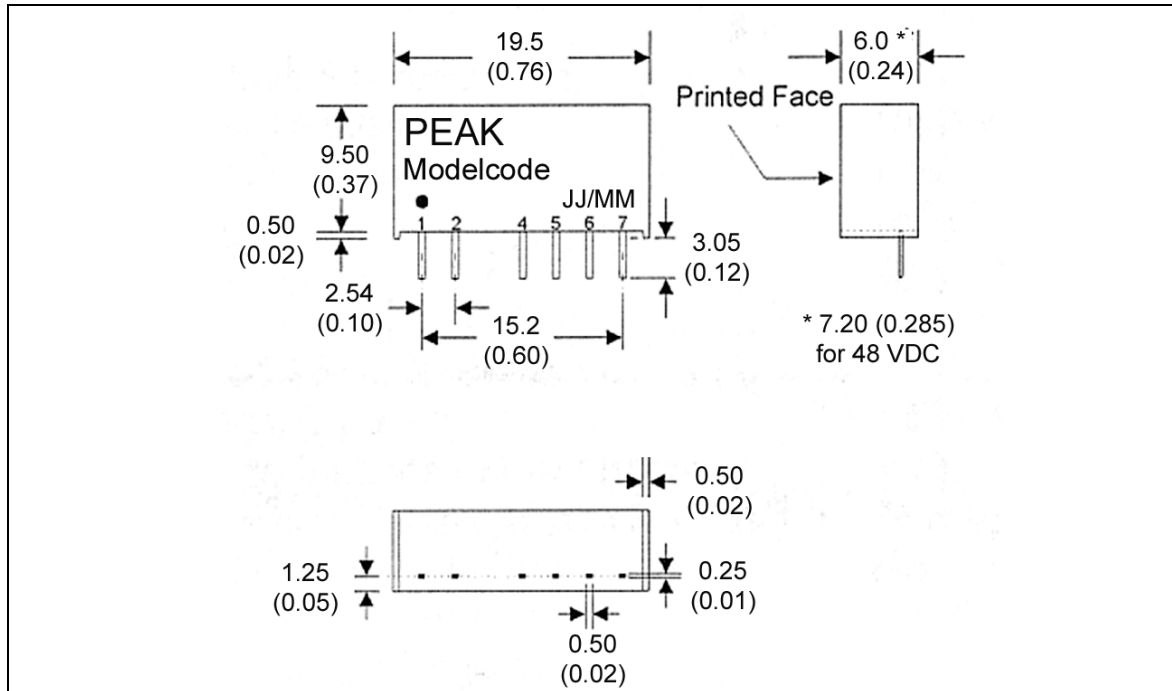
Physical Characteristics

 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

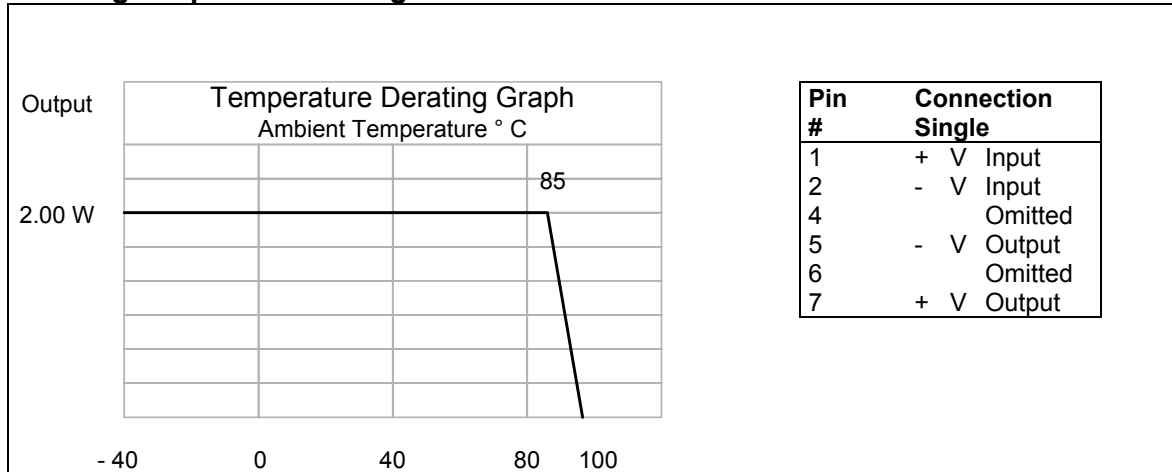
Examples of Partnumbers/Modelcode

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-0505E	5	28	555	5	400	72
P10LU-0512E	5	28	500	12	167	80
P10LU-0518E	5	30	500	18	110	80
P10LU-1205E	12	22	228	5	400	73
P10LU-1212E	12	20	208	12	167	80
P10LU-2405E	24	10	113	5	400	74
P10LU-2412E	24	9	101	12	167	82

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

Copyright PEAK electronics GmbH

REV:2 / 09.2001