

M6 SERIES

P10TG-XXXXE2:1H35M 3.5 KV ISOLATED 2 W REGULATED SINGLE OUTPUT DIP24

Available Inputs:

12, 24 and 48 VDC Wide Input 2:1

Available Outputs:

3.3, 5, 12, 15 and 18 VDC

Other specifications please enquire.

Electrical Specifications

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

Input Specifications

Voltage range 9 - 18 VDC (12 VDC), 18 - 36 VDC (24 VDC)
36 - 72 VDC (48 VDC)
Filter Pi Network

Isolation Specifications

Rated voltage 3500 Vdc
Leakage current 1 mA
Resistance 10^9 Ohm
Capacitance 80 pF typ.

Output Specifications

Voltage accuracy +/- 1 % typ. +/-2% max.
Ripple and noise (at 20 MHz BW) 60 mV p-p, max.
Short circuit protection Continuous , restart automatic
Line voltage regulation +/- 0,5 % max.
Load voltage regulation +/- 0,5 % max.
Temperature coefficient +/- 0,02 % / °C

General Specifications

Efficiency 70 % to 85 %
Switching frequency 250 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

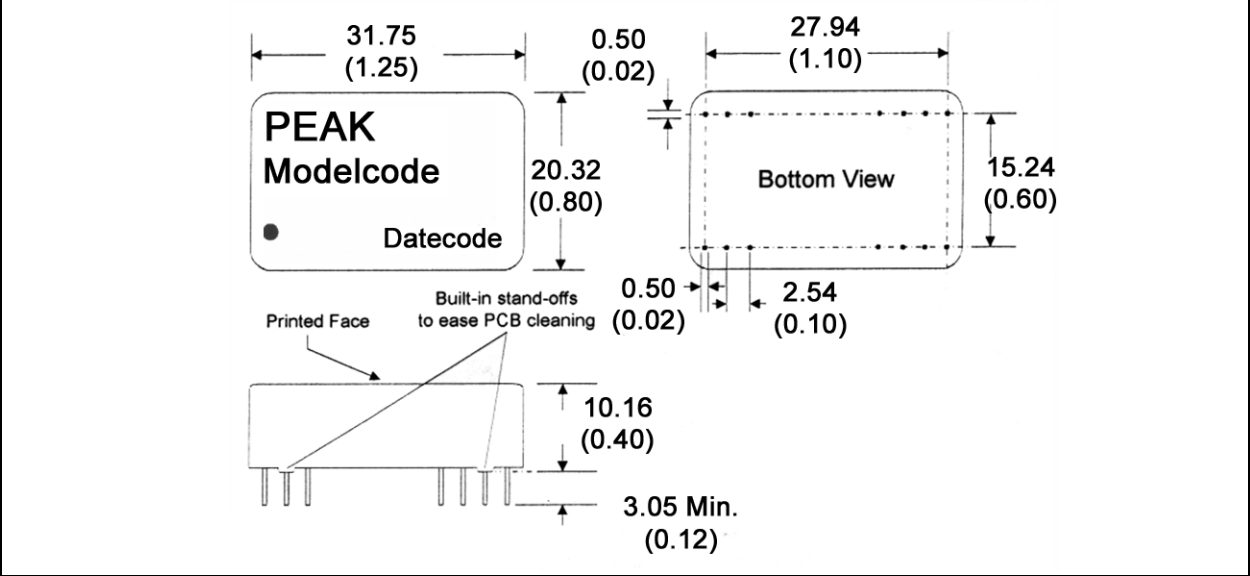
Physical Characteristics

Dimensions 31,75 x 20,32 x 10,16 mm
1,25 x 0,80 x 0,40 inches
Weight 16,3 g
Case material Nickel Coated Copper

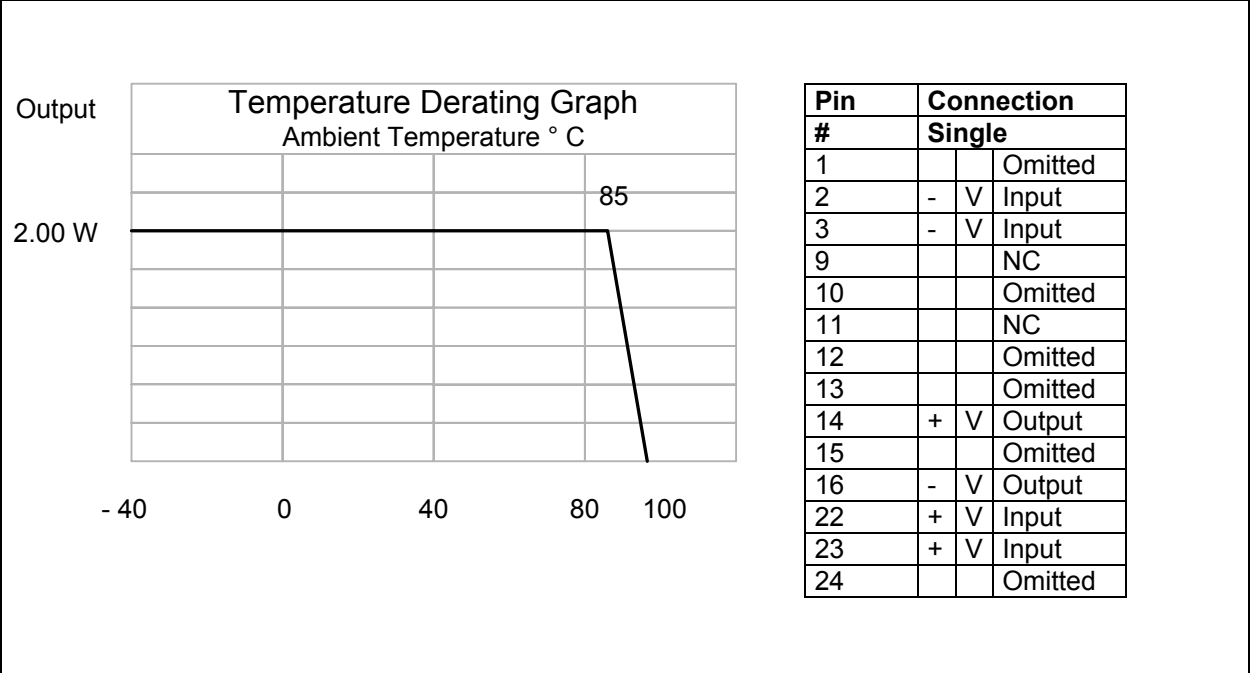
Examples of Partnumbers/Modelcode

PART NO.	INPUT VOLTAGE (VDC) Nominal	INPUT CURRENT NO LOAD	INPUT CURRENT T FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P10TG-1205E2:1H35M	9-18	12	225	5	400	74
P10TG-1215E2:1H35M	9-18	12	208	15	134	80
P10TG-2405E2:1H35M	18-36	12	113	5	400	74
P10TG-2412E2:1H35M	18-36	12	105	12	167	79
P10TG-2415E2:1H35M	18-36	12	104	15	134	80
P10TG-4805E2:1H35M	36-72	10	56	5	400	75
P10TG-4812E2:1H35M	36-72	10	53	12	167	79

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

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