

**M6 SERIES P10TG-XXXE2:1 1.5 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	1500 Vdc
Leakage current	1 mA
Resistance	10 <sup>9</sup> 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

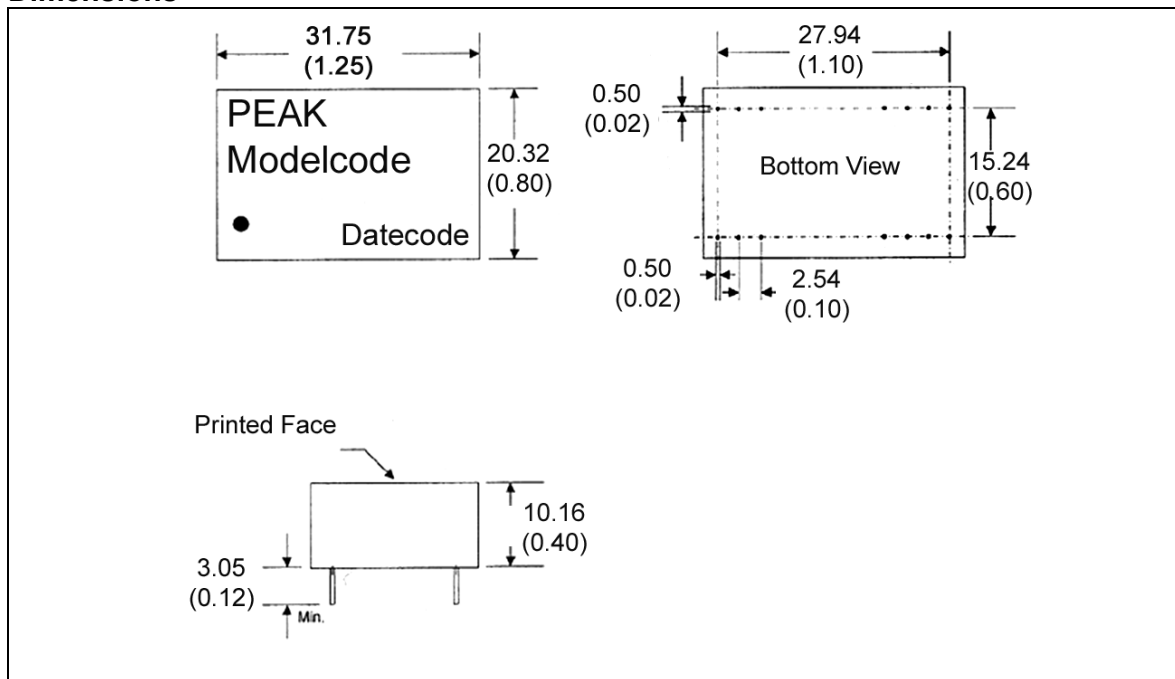
**Physical Characteristics**

Dimensions	31,75 x 20,32 x 10,16 mm 1,25 x 0,80 x 0,40 inches
Weight	14,5 g
Case material	Non conductive black plastic

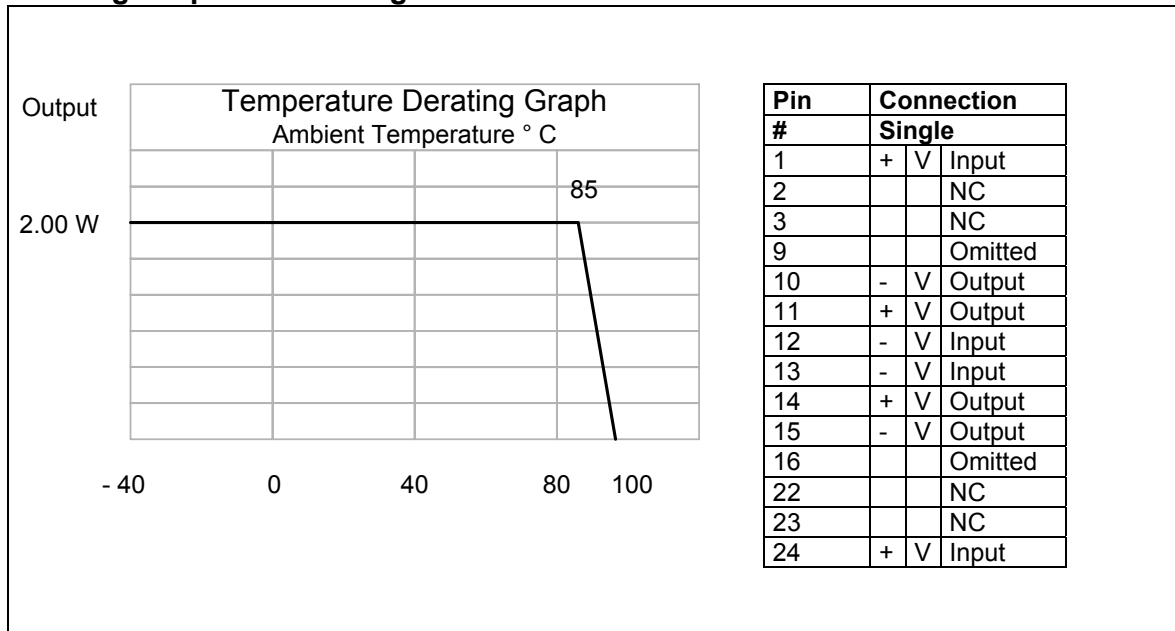
**Examples of Partnumbers/Modelcode**

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

## Dimensions



## Derating Graph and Pinning



Specification can be changed without notice.

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