

**M6 SERIES P10TG-XXXXZ2:1H35 3.5 KV ISOLATED 2 W REGULATED DUAL OUTPUT DIP24**
**Available Inputs:**
**12, 24 and 48 VDC Wide Input 2:1**
**Available Outputs:**
**(+/-)3.3, 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<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

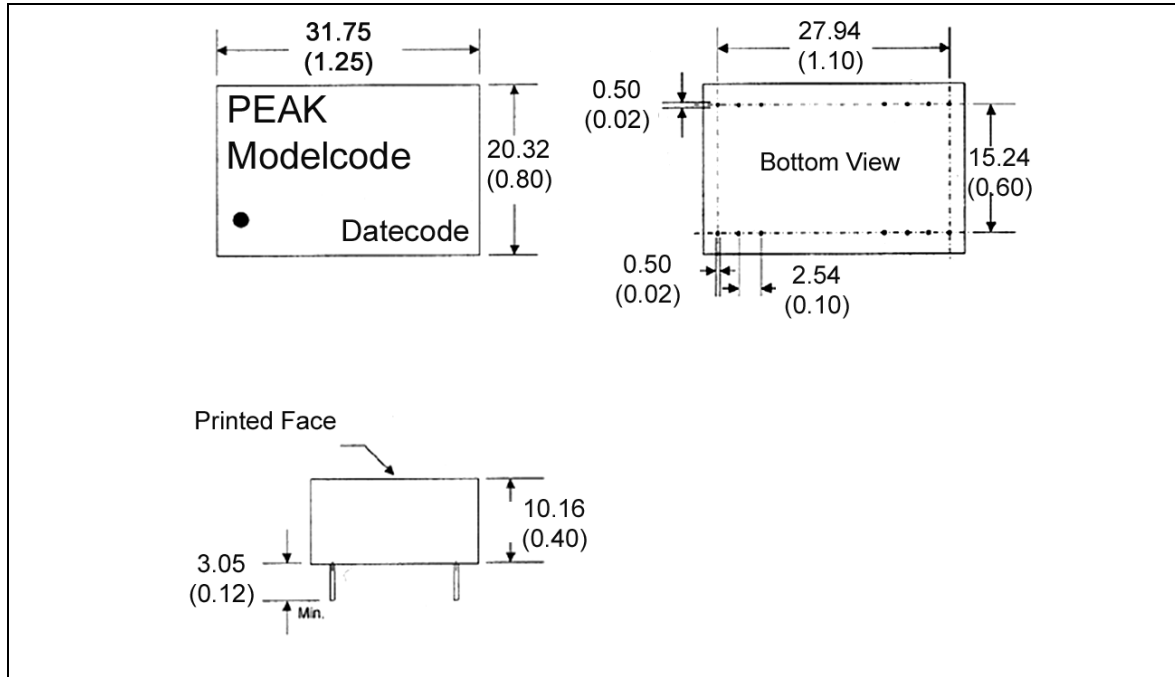
**Physical Characteristics**

 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

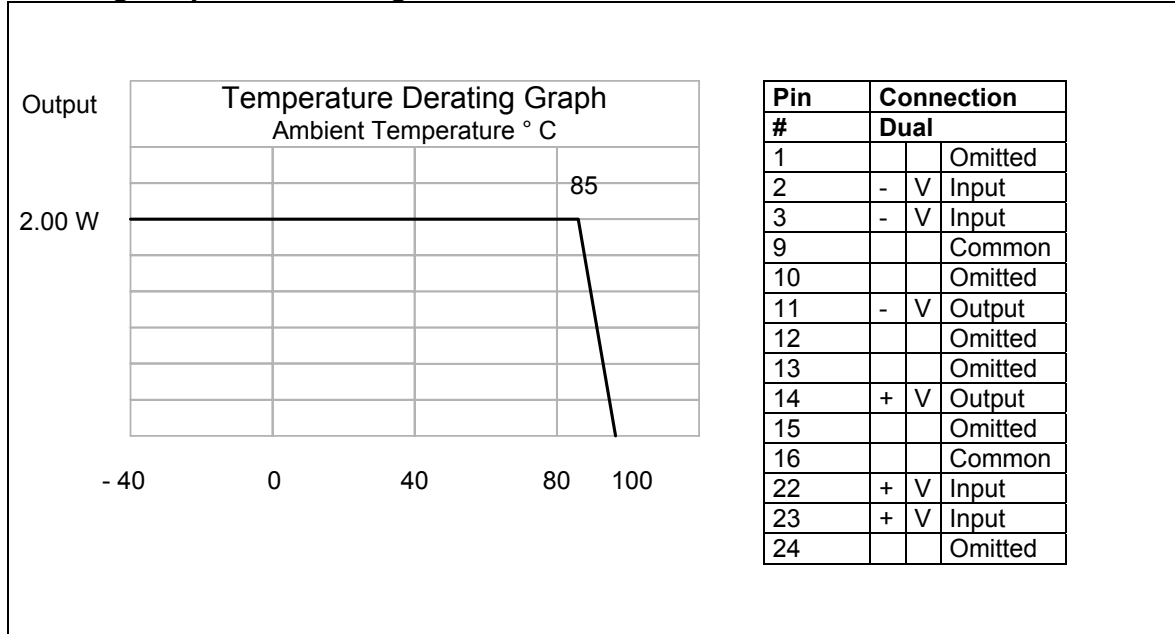
**Examples of Partnumbers/Modelcode**

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-1205Z2:1H35	9-18	17	225	+/- 5	+/- 200	74
P10TG-1212Z2:1H35	9-18	17	213	+/- 12	+/- 83	78
P10TG-2405Z2:1H35	18-36	17	109	+/- 5	+/- 200	76
P10TG-4805Z2:1H35	36-72	15	56	+/- 5	+/- 200	75
P10TG-4812Z2:1H35	36-72	15	53	+/- 12	+/- 83	79

**Dimensions**



**Derating Graph and Pinning**



Specification can be changed without notice.

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