

**MBB SERIES PB10FG—XXXXZ2:1 1KV ISOLATED 2 W REGULATED DUAL OUTPUT DIP16**

**Available Inputs: 9 – 18 VDC Wide Input, 18 – 36 VDC Wide Input**

**Available Outputs: (+/-) 5 and 12 VDC for 9 - 18 VDC Input**

**Available Outputs: (+/-) 5, 12 and 15 VDC for 18 - 36 VDC Input**

Other specifications please enquire.

### Electrical Specifications

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

#### Input Specifications

Voltage range 12 VDC, 9~18 VDC, 24 VDC, 18~36 VDC  
 Filter Pi Filter

#### Isolation Specifications

Rated voltage 1000 VDC  
 Resistance 1000 MOhm  
 Capacitance 80 pF typ.

#### Output Specifications

Voltage accuracy +/- 1 %, max.  
 Ripple and noise (at 20 MHz BW) 75 mV p-p, typ.  
 Short circuit protection Continuous and Auto - Restart  
 Line voltage regulation +/- 0,5 % max.  
 Load voltage regulation +/- 2 % max.  
 Temperature coefficient +/- 0,02 % / °C

#### General Specifications

Efficiency 72 % to 75 %  
 Switching frequency 150 KHz, typ.

#### Environmental Specifications

Operating temperature (ambient) - 25° C to + 71° C  
 Storage temperature - 55 °C to + 125 °C  
 Derating See graph

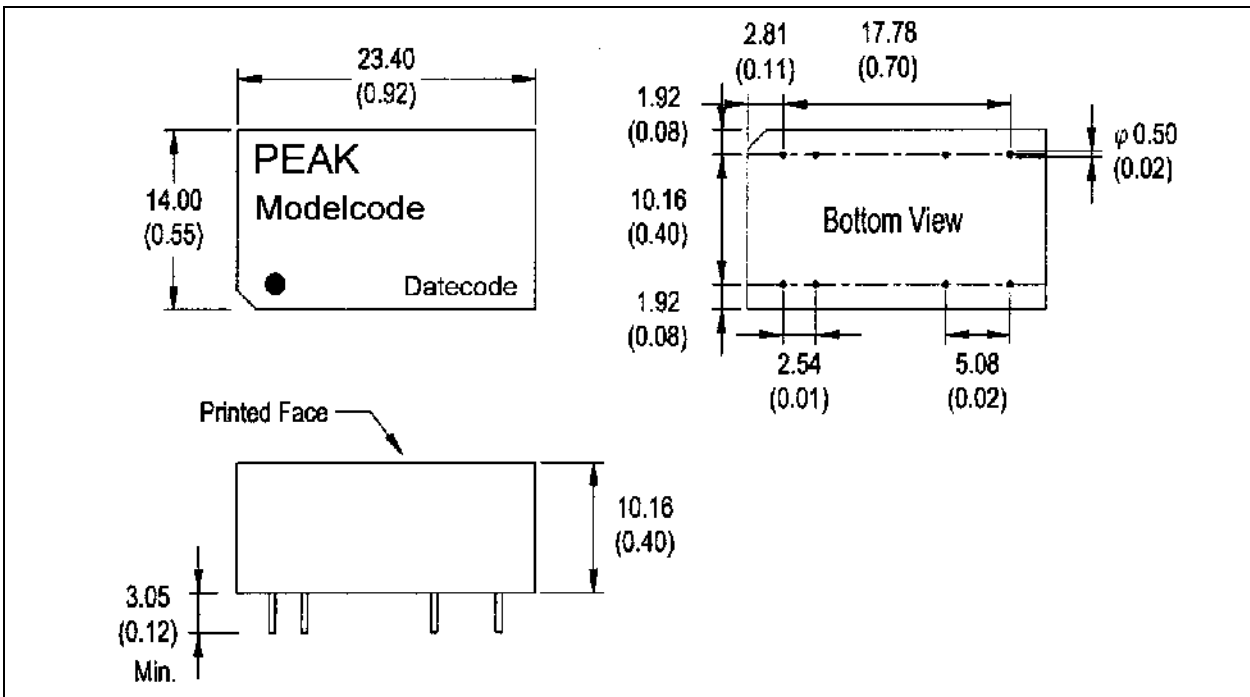
#### Physical Characteristics

Case material Non conductive black plastic

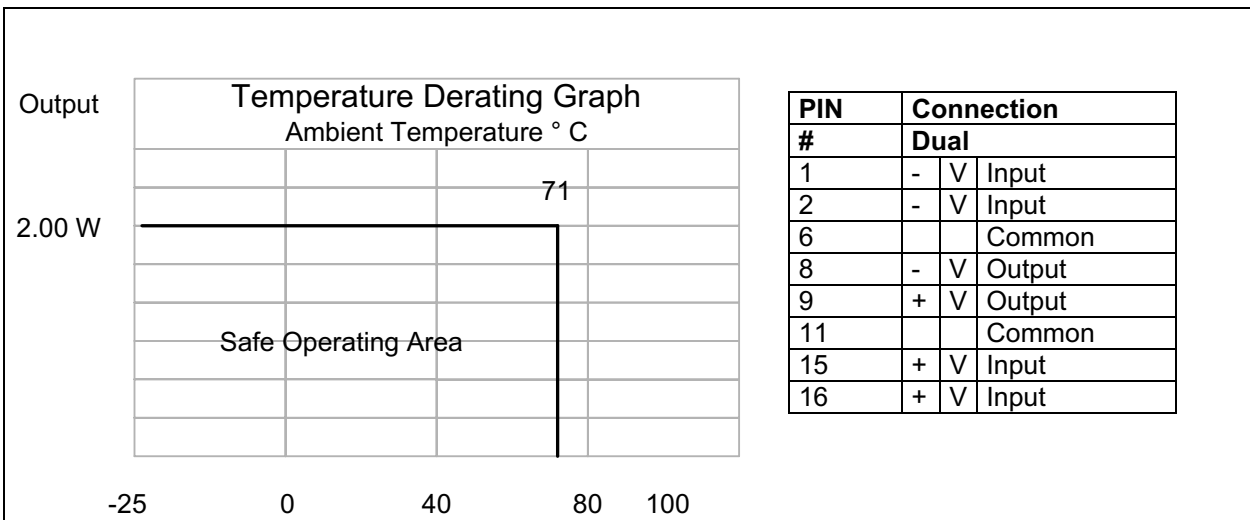
### Examples of Partnumbers/Modelcode

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT FULL LOAD Typ.	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
PB10FG-1205Z2:1	9 - 18	222	+/- 5	+/- 200	75
PB10FG-1212Z2:1	9 - 18	210	+/- 12	+/- 84	80
PB10FG-2405Z2:1	18 - 36	111	+/- 5	+/- 200	75
PB10FG-2412Z2:1	18 - 36	105	+/- 12	+/- 84	80
PB10FG-2415Z2:1	18 - 36	105	+/- 15	+/- 67	80

Dimensions



Derating Graph and Pinning



PIN #	Connection
1	- V Input
2	- V Input
6	Common
8	- V Output
9	+ V Output
11	Common
15	+ V Input
16	+ V Input