

**MBB SERIES PB6FG—XXXXE2:1H30 3KV ISOLATED 1 W REGULATED SINGLE OUTPUT DIP16**

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

**Available Outputs: 3.3, 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 3000 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 +/- 0,5 % 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

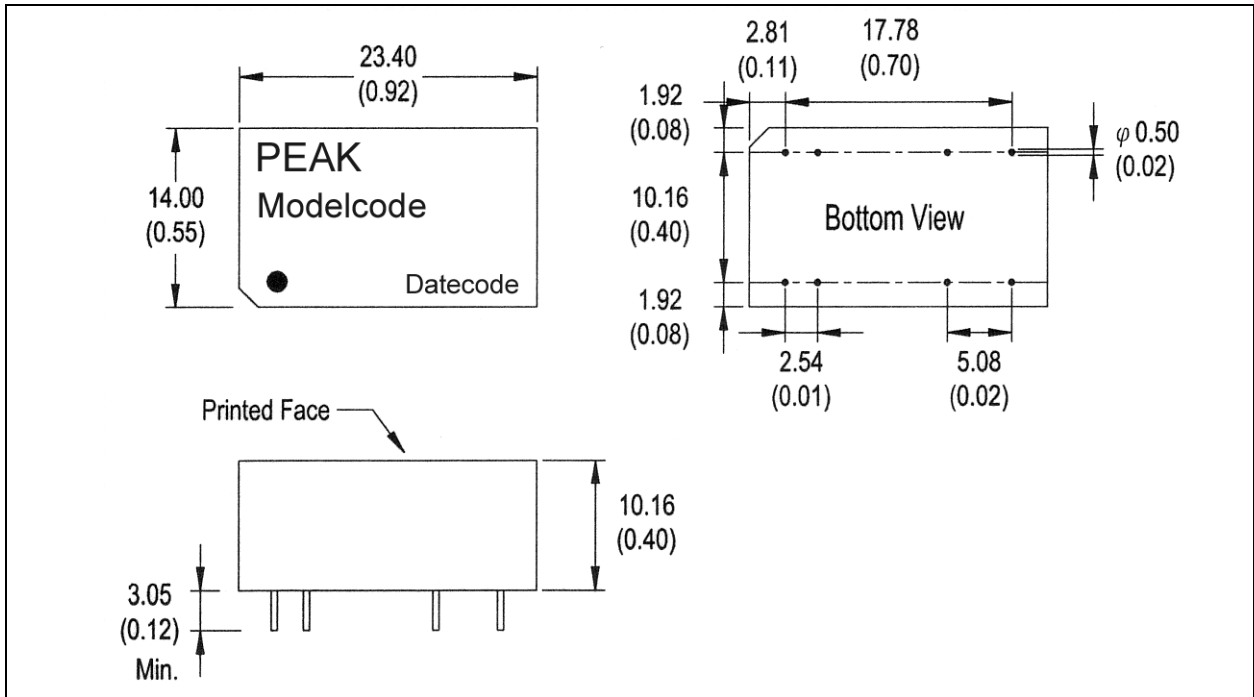
**Physical Characteristics**

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.)
PB6FG-123R3E2:1H30	9 - 18	115	3.3	300	72
PB6FG-1205E2:1H30	9 - 18	114	5	200	73
PB6FG-1212E2:1H30	9 - 18	135	12	100	74
PB6FG-2405E2:1H30	18 - 36	57	5	200	73
PB6FG-2412E2:1H30	18 - 36	68	12	100	73
PB6FG-2415E2:1H30	18 - 36	67	15	80	75

**Dimensions**



**Derating Graph and Pinning**

