

M4 SERIES P6DG-XXXXE 1KV ISOLATED 0,6 – 1,5 W REGULATED SINGLE OUTPUT DIP14
Available Inputs: 5, 12 and 24 VDC
Available Outputs: 3.0, 3.3, 5, 9, 12 and 15 VDC

Other specifications please enquire.

Electrical Specifications

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

Input Specifications

 Voltage range +/- 10 %
 Filter Capacitors

Isolation Specifications

 Rated voltage 1000 VDC
 Leakage current 1 mA
 Resistance 10⁹ Ohm
 Capacitance 60 pF typ.

Output Specifications

 Voltage accuracy +/- 1 %, max.
 Ripple and noise (at 20 MHz BW) 50 mV p-p, max.
 Short circuit protection Short term
 Line voltage regulation +/- 0,5 % max.
 Load voltage regulation +/- 0,5 % max.
 Temperature coefficient +/- 0,02 % / °C

General Specifications

 Efficiency 60 % to 75 %
 Switching frequency 125 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

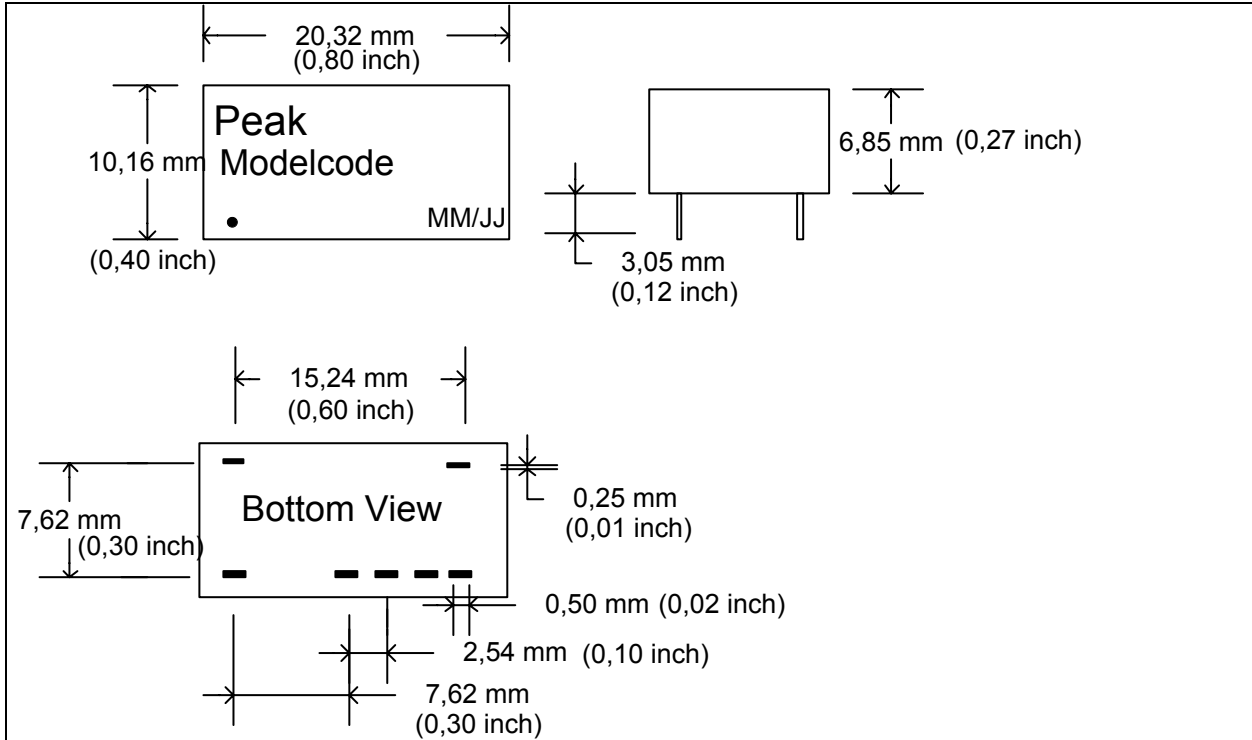
Physical Characteristics

 Dimensions DIP 20,32 x 10,16 x 6,85 mm
 0,80 x 0,40 x 0,27 inches
 Weight 2,0 g
 Case material Non conductive black plastic

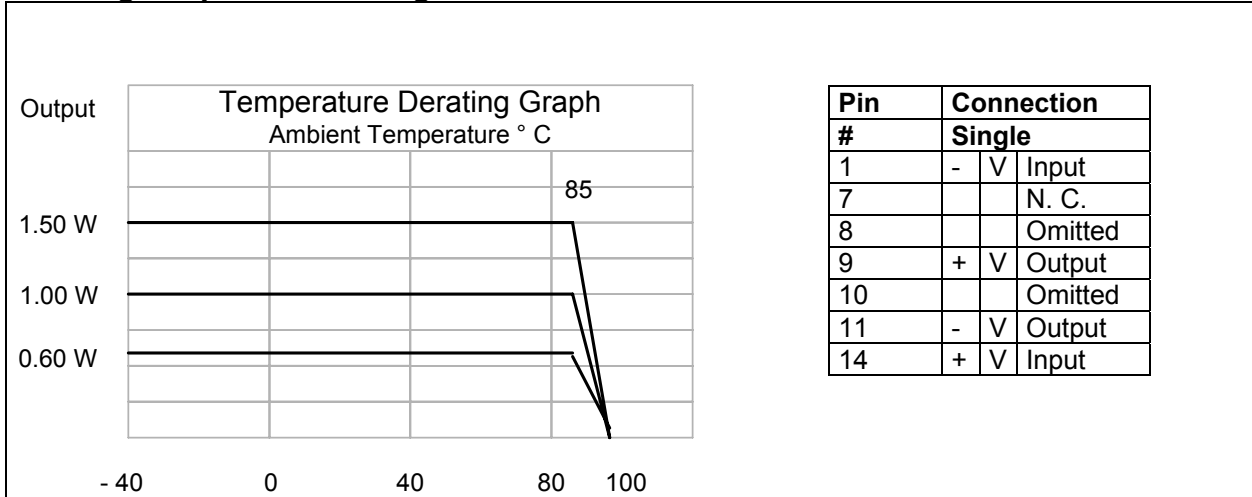
Examples of Partnumbers/Modelcode

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P6DG-0503E	5	18	193	3	200	62
P6DG-053R3E	5	18	212	3,3	200	62
P6DG-054R8E	5	22	307	4,85	200	63
P6DG-0505E	5	26	312	5	200	64
P6DG-0509E	5	26	421	9	150	64
P6DG-0512E	5	26	375	12	100	64
P6DG-1203E	12	15	81	3	200	62
P6DG-123R3E	12	15	88	3,3	200	62
P6DG-124R8E	12	20	128	4,85	200	63
P6DG-1205E	12	23	130	5	200	64
P6DG-1209E	12	23	176	9	150	64
P6DG-1212E	12	23	156	12	100	64
P6DG-2403E	24	12	40	3	200	62
P6DG-243R3E	24	12	43	3,3	200	63
P6DG-244R8E	24	10	64	4,85	200	63
P6DG-2405E	24	10	64	5	200	65
P6DG-2409E	24	9	88	9	150	64
P6DG-2412E	24	9	78	12	100	64

Dimensions



Derating Graph and Pinning



Pin #	Connection
1	- V Input
7	N. C.
8	Omitted
9	+ V Output
10	Omitted
11	- V Output
14	+ V Input