

P6CG-XXXXE 1KV ISOLATED 1 W REGULATED SINGLE OUTPUT SIP7

Available Inputs: 5, 12 and 24 VDC

Available Outputs: 3.0, 3.3, 5, 9, and 12 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
Resistance 10^9 Ohm
Capacitance 60 pF typ.

Output Specifications

Voltage accuracy +/- 2 %
Ripple and noise (at 20 MHz BW) 50 mV p-p, max.
Short circuit protection Short term
Line voltage regulation +/- 0,5 % max., (3.3 VDC output +/- 1 % max)
Load voltage regulation +/- 0,5 % typ., +/- 1 % max. (No load to full load)
Temperature coefficient +/- 0,02 % / °C

General Specifications

Efficiency 58 % to 66 %
Switching frequency 70 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

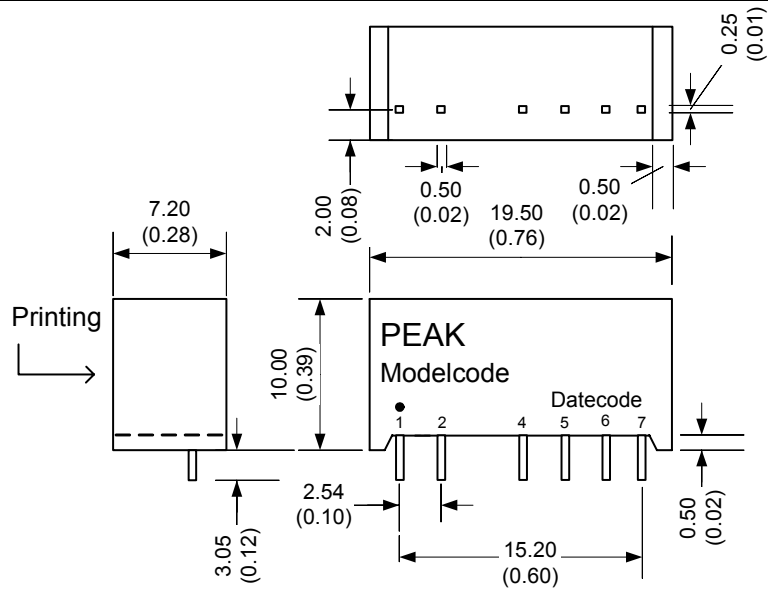
Physical Characteristics

Dimensions SIP 19,50 x 7,20 x 9,50 mm
0,76 x 0,28 x 0,37 inches
Weight 2,7 g
Case material Non conductive black plastic

Examples of Partnumbers/Modelcode

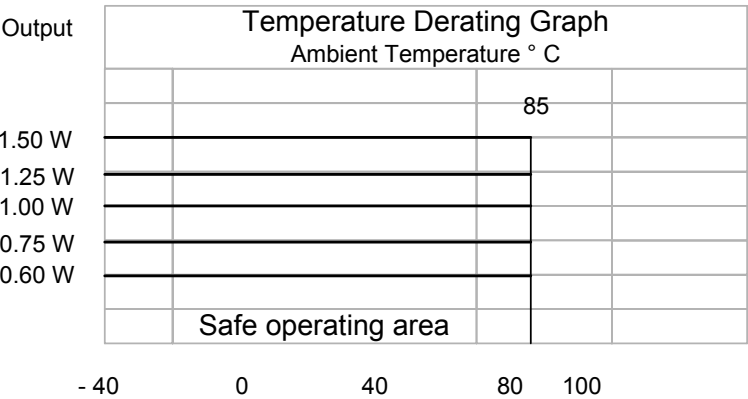
PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYP.)
P6CG-0503E	5	20	200	3	200	60
P6CG-053R3E	5	22	220	3,3	200	60
P6CG-054R8E	5	25	318	4,85	200	61
P6CG-0505E	5	28	312	5	200	63
P6CG-0509E	5	32	312	9	111	64
P6CG-0512E	5	45	312	12	84	64
P6CG-1203E	12	15	83	3	200	60
P6CG-123R3E	12	15	92	3,3	200	60
P6CG-124R8E	12	15	133	4,85	200	61
P6CG-1205E	12	16	130	5	200	64
P6CG-1209E	12	16	123	9	111	68
P6CG-1212E	12	22	123	12	84	68
P6CG-2403E	24	8	43	3	200	58
P6CG-243R3E	24	8	47	3,3	200	58
P6CG-244R8E	24	7	64	4,85	200	63
P6CG-2405E	24	7	64	5	200	65
P6CG-2409E	24	10	63	9	111	66
P6CG-2412E	24	10	63	12	84	66

Dimensions



All dimensions are typical in millimeters (inches).
Tolerance x.xx = +/- 0.30 (+/- 0.01)
Specification may change without notice.

Derating Graph and Pinning



PIN		Connection	
#		Single	
1	+ V	Input	
2	- V	Input	
4	- V	Output	
5		Omitted	
6	+ V	Output	
7		Omitted	

If specification prior to this data sheet is needed, please enquire.