

## PC6NG-xxxxE2:1LF 1KV ISOLATED 1W REGULATED SINGLE OUTPUT SIP8

Other specifications please enquire.

### Electrical Specifications

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

#### Input Specifications

Voltage range 4.5-9, 9-18, 18-36, 36-72 VDC 2:1 WIDE INPUT  
 Input Filter Capacitor

#### Isolation Specifications

Isolation Voltage 1000 VDC  
 Isolation Resistance 1000 MOhm  
 Isolation Capacitance 60pF

#### Output Specifications

Output Voltage accuracy +/- 2%, max.  
 Ripple and noise (at 20 MHz BW) 80 mV pk-pk  
 Short circuit protection Indefinite, automatic recovery  
 Line voltage regulation +/- 0.5 %  
 Load voltage regulation +/- 1 %, max. (load = 25 ~ 100 %)  
 Temperature Coefficient +/- 0.02% / °C

#### General Specifications

Switching Frequency 100 – 650 Khz

#### Environmental Specifications

Operating temperature (ambient) - 40° C to + 85° C / case temp. 100°C, max.  
 Storage temperature - 40 °C to + 125 °C  
 Humidity 95% rel H  
 Cooling Free Air Convection  
 Reliability Calculated MTBF > 1.38 Mhrs

#### Physical Characteristics

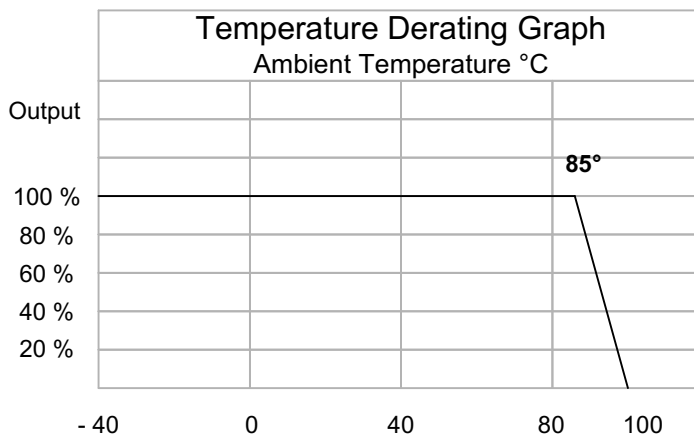
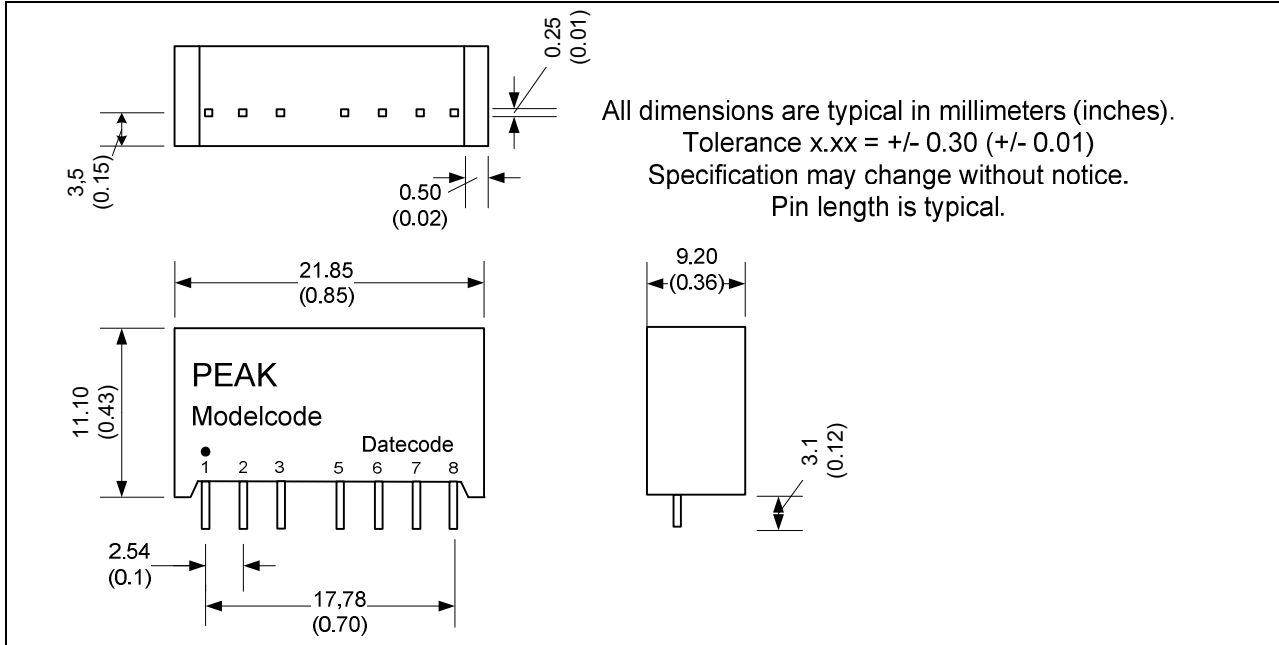
Case material Non conductive black plastic (UL94V-0 rated)  
 "RoHS compliant" Soldering 260°C / max. 10 sec.

### Samples of Partnumbers

PART NO.	INPUT VOLTAGE (VDC)	Input Current NO LOAD (mA, typ.)	Input Current FULL LOAD (mA, max.)	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFF. FULL LOAD (% TYP.)
PC6NG-053R3E2:1LF	4.5 - 9	15	298	3.3	303	67
PC6NG-0505E2:1LF		15	298	5	200	67
PC6NG-0509E2:1LF		40	285	9	111	70
PC6NG-0512E2:1LF		55	285	12	83	70
PC6NG-0515E2:1LF		55	285	15	67	70
PC6NG-0524E2:1LF		70	294	24	42	68
PC6NG-123R3E2:1LF	9 - 18	15	119	3.3	303	70
PC6NG-1205E2:1LF		15	115	5	200	72
PC6NG-127R2E2:1LF		15	115	7.2	138	72
PC6NG-1209E2:1LF		15	108	9	111	77
PC6NG-1212E2:1LF		15	108	12	83	77
PC6NG-1215E2:1LF		15	108	15	67	77
PC6NG-1224E2:1LF		15	114	24	42	73
PC6NG-243R3E2:1LF	18 - 36	8	59	3.3	303	70
PC6NG-2405E2:1LF		8	57	5	200	72
PC6NG-2409E2:1LF		8	55	9	111	75
PC6NG-2412E2:1LF		8	55	12	83	75
PC6NG-2415E2:1LF		8	55	15	67	75
PC6NG-2424E2:1LF		8	55	24	42	75
PC6NG-483R3E2:1LF	36 - 72	6	31	3.3	303	66
PC6NG-4805E2:1LF		6	30	5	200	68
PC6NG-4809E2:1LF		6	29	9	111	70
PC6NG-4812E2:1LF		6	29	12	83	70
PC6NG-4815E2:1LF		6	29	15	67	70

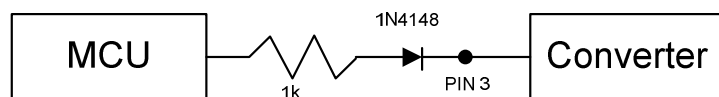
## PC6NG-xxxxE2:1LF 1KV ISOLATED 1W REGULATED SINGLE OUTPUT SIP8

### Dimensions



PIN #	Connection
1	-V input
2	+V input
3	Remote On/Off
5	N.C.
6	+V output
7	-V Output
8	N.C.

MCU (Master Control Unit)  
The MCU Pin Voltage is referenced to -Vin  
ON: 0 – 0.8VDC Max.  
(Short circuit Pin1 and Pin3) or open circuit  
OFF: 5.0 VDC  
OFF idle current: 5.0mA typ.



Specification can be changed without notice.

Copyright PEAK electronics GmbH

REV: Jan. 2008