

## PC10NG-xxxxE2:1LF 1KV ISOLATED 2W 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

#### Physical Characteristics

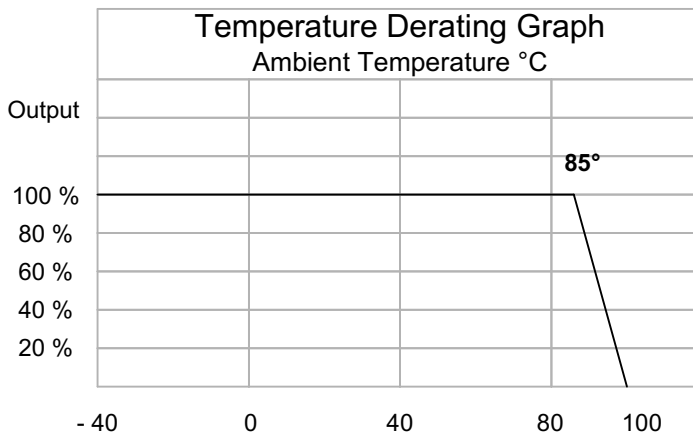
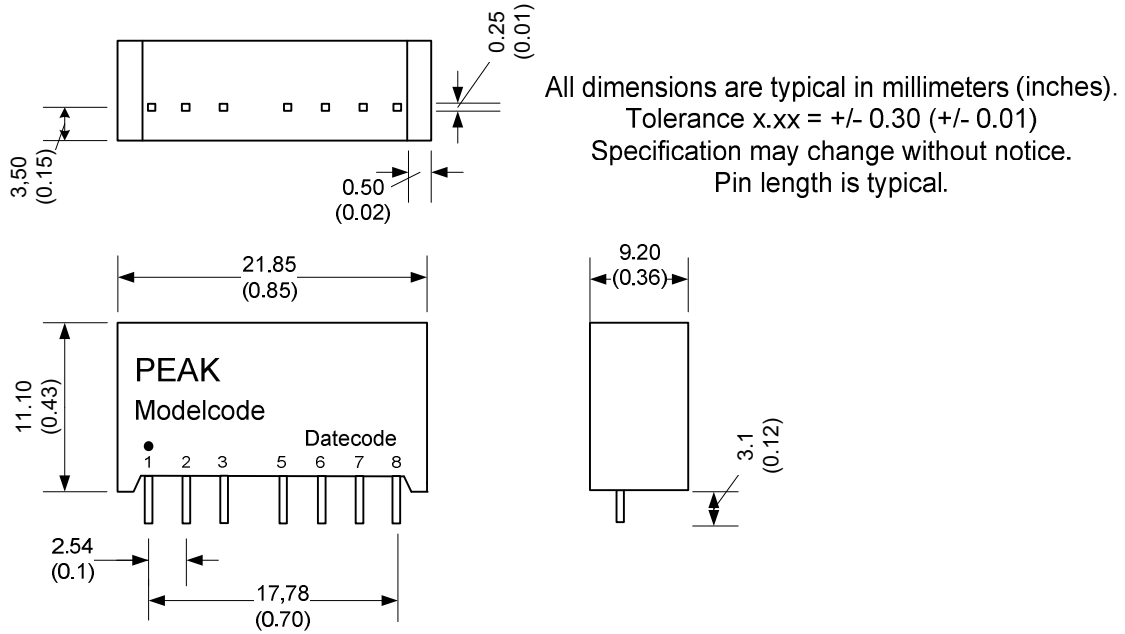
Case material Non conductive black plastic (UL94V-0 rated)  
"RoHS compliant" Soldering 260°C / max. 10 sec.

### 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.)
PC10NG-053R3E2:1LF	4.5 - 9	15	492	3.3	500	67
PC10NG-0505E2:1LF		15	571	5	400	70
PC10NG-0509E2:1LF		30	555	9	222	72
PC10NG-0512E2:1LF		30	555	12	167	72
PC10NG-0515E2:1LF		30	547	15	133	73
PC10NG-0524E2:1LF		60	533	24	83	75
PC10NG-123R3E2:1LF	9 - 18	15	205	3.3	500	67
PC10NG-1205E2:1LF		15	216	5	400	77
PC10NG-1209E2:1LF		15	213	9	222	78
PC10NG-1212E2:1LF		15	208	12	167	80
PC10NG-1215E2:1LF		15	213	15	133	78
PC10NG-1224E2:1LF		15	208	24	83	80
PC10NG-243R3E2:1LF	18 - 36	8	98	3.3	500	70
PC10NG-2405E2:1LF		8	108	5	400	77
PC10NG-2409E2:1LF		8	104	9	222	80
PC10NG-2412E2:1LF		8	104	12	167	80
PC10NG-2415E2:1LF		8	104	15	133	80
PC10NG-2424E2:1LF		8	104	24	83	80
PC10NG-483R3E2:1LF	36 - 72	6	48	3.3	500	71
PC10NG-4805E2:1LF		6	56	5	400	74
PC10NG-4809E2:1LF		6	53	9	222	78
PC10NG-4812E2:1LF		6	53	12	167	78
PC10NG-4815E2:1LF		6	53	15	133	78
PC10NG-4824E2:1LF		6	52	24	83	80

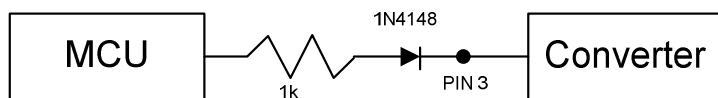
# PC10NG-xxxxE2:1LF 1KV ISOLATED 2W REGULATED SINGLE OUTPUT SIP8

## 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