

1 Watts SIP Type DC - DC Converter



FEATURES

- ◆ 1W Unregulated Output Power
- ◆ High Efficiency
- ◆ Internal SMD Technology
- ◆ Single In Line Package
- ◆ UL 94V-0 Package Material
- ◆ No Heatsink Required
- ◆ 100% Burn In

SPECIFICATIONS

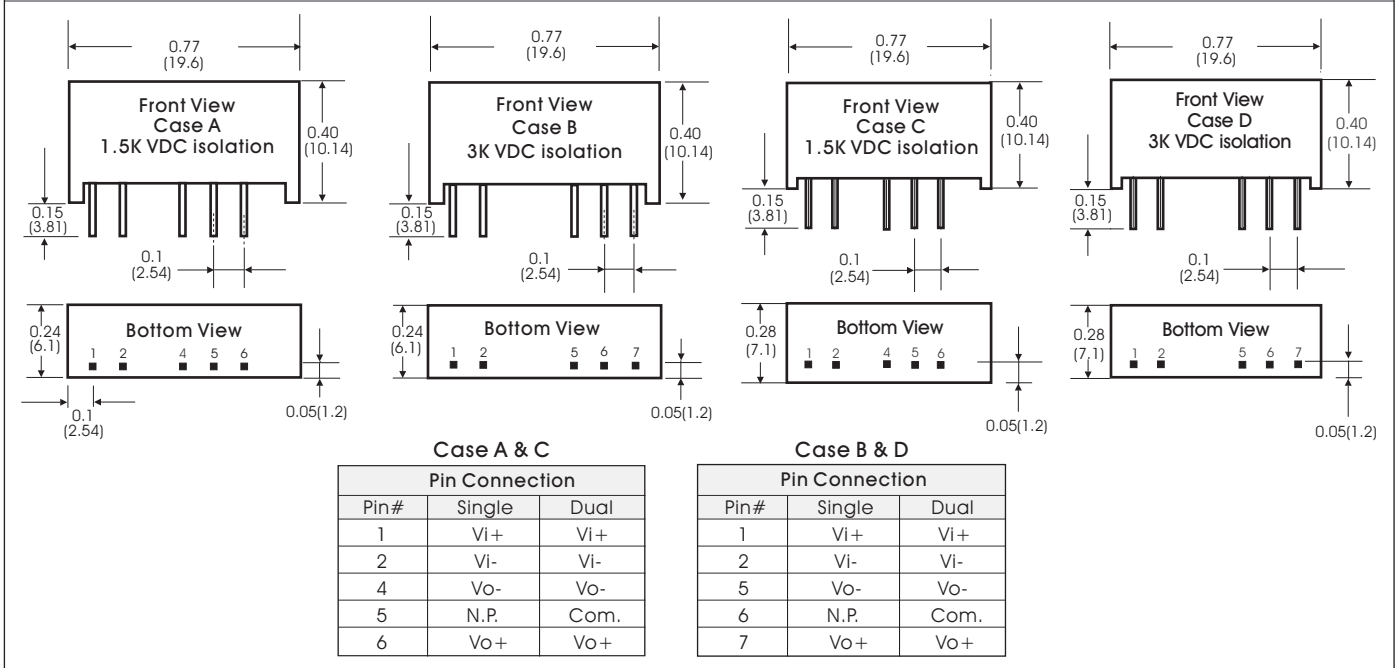
Input Voltage Range $\pm 10\%$ max.
 Input Filter.....Capacitor Type
 Voltage Set-Point Accuracy..... $\pm 2\%$ max.
 Temperature Coefficient..... $\pm 0.05\%/^{\circ}\text{C}$
 Ripple & Noise (20MHz BW).....100mVp-p max.
 Line Regulation¹..... $\pm 1.2\%$ max.
 Load Regulation²..... $\pm 8\%$ max.
 Short Circuit Protection Momentary
 Efficiency..... 71-83%
 Min. Load:.....20% of Full Load
 Short Circuit Protection.....Momentary
 Isolation Voltage³.....1500VDC or 3000VDC
 Isolation Resistance..... $10^9 \Omega$ min.
 Switching Frequency..... 100KHz min.
 Isolation Capacitance 80pF max.
 Operating Temperature -40°C To +71°C
 Storage Temperature -55°C To +125°C
 Cooling..... Free-Air Convection
 Case Material..... Non-Conductive Plastic
 Case Size..... Case A & B : 19.6*6.1*10.14mm
 Case C & D : 19.6*7.1*10.14mm
 Weight 2.1g

Note:
 (1) Line Regulation is for 1.0% change in input Voltage.
 (2) Load Regulation is for output Load current change from 20% to 100%.
 (3) 1500VDC for 10 seconds, 3000VDC for 3 seconds.

Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	EEF.	Isolation (VDC)
D01-01 (A3)	5	5	200	71	1500/3000
D01-02 (A3)	5	12	84	79	1500/3000
D01-03 (A3)	5	15	67	79	1500/3000
D01-04 (A3)	5	± 5	± 100	72	1500/3000
D01-05 (A3)	5	± 12	± 42	79	1500/3000
D01-06 (A3)	5	± 15	± 34	77	1500/3000
D01-61 (A3)	12	5	200	74	1500/3000
D01-62 (A3)	12	12	84	82	1500/3000
D01-63 (A3)	12	15	67	82	1500/3000
D01-64 (A3)	12	± 5	± 100	74	1500/3000
D01-65 (A3)	12	± 12	± 42	79	1500/3000
D01-66 (A3)	12	± 15	± 34	83	1500/3000
D01-71 (A3)	24	5	200	73	1500/3000
D01-72 (A3)	24	12	84	77	1500/3000
D01-73 (A3)	24	15	67	80	1500/3000
D01-74 (A3)	24	± 5	± 100	73	1500/3000
D01-75 (A3)	24	± 12	± 42	77	1500/3000
D01-76 (A3)	24	± 15	± 34	80	1500/3000

Remark:
 * The standard isolation : 1500VDC
 Case A : D01-01~D01-66
 Case C : D01-71~D01-76
 * Suffix "A3" On Model# for Isolation 3000VDC
 Case B : D01-01A3~D01-66A3
 Case D : D01-71A3~D01-76A3

MECHANICAL DRAWING (Unit: inch (mm))



DC - DC Converter U