

2 Watts SIP Type DC - DC Converter



FEATURES

- ◆ 1500/3000VDC Isolation
- ◆ 100% Burn in
- ◆ 2W Unregulated Output Power
- ◆ High Efficiency
- ◆ No Heatsink Required
- ◆ UL 94V-0 Package Material
- ◆ Single In Line Package

SPECIFICATIONS

Input Voltage Range $\pm 10\%$ max.
 Input Filter.....Capacitor Type
 Voltage Accuracy..... $\pm 2\%$ max.
 Ripple & Noise (20MHz BW).....100mVp-p max.
 Temperature Coefficient..... $\pm 0.03\%/^{\circ}\text{C}$
 Line Regulation¹..... $\pm 1.2\%$ max.
 Load Regulation²..... $\pm 8\%$ max.
 Short Circuit Protection Momentary
 Efficiency.....77% min.
 Min. Load:.....10% of Full Load
 Isolation Resistance..... $10^9 \Omega$ min
 Isolation Voltage³.....1500VDC or 3000VDC
 Switching Frequency.....100KHz min
 Isolation Capacitance80pF max.
 Operating Temperature -40°C To $+71^{\circ}\text{C}$
 Storage Temperature -55°C To $+125^{\circ}\text{C}$
 Cooling..... Free-Air Convection
 Case Material..... Non-Conductive Plastic
 Case Size 19.6 * 7.1 * 10.14 mm
 Weight2.1g

Note:

(1) Line Regulation is for a 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.

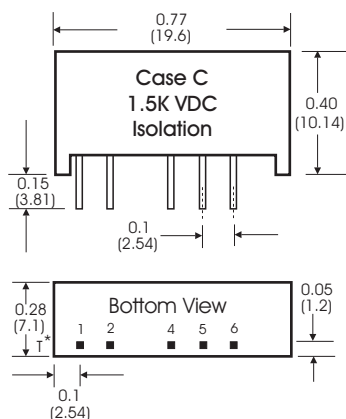
Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	EEF.	Isolation (VDC)
D02-01 (A3)	5	5	400	77	1500/3000
D02-02 (A3)	5	12	167	80	1500/3000
D02-03 (A3)	5	15	133	82	1500/3000
D02-04 (A3)	5	± 5	± 200	82	1500/3000
D02-05 (A3)	5	± 12	± 84	80	1500/3000
D02-06 (A3)	5	± 15	± 67	82	1500/3000
D02-61 (A3)	12	5	400	78	1500/3000
D02-62 (A3)	12	12	167	83	1500/3000
D02-63 (A3)	12	15	133	85	1500/3000
D02-64 (A3)	12	± 5	± 200	78	1500/3000
D02-65 (A3)	12	± 12	± 84	83	1500/3000
D02-66 (A3)	12	± 15	± 67	85	1500/3000
D02-71 (A3)	24	5	400	78	1500/3000
D02-72 (A3)	24	12	167	80	1500/3000
D02-73 (A3)	24	15	133	83	1500/3000
D02-74 (A3)	24	± 5	± 200	78	1500/3000
D02-75 (A3)	24	± 12	± 84	81	1500/3000
D02-76 (A3)	24	± 15	± 67	81	1500/3000

Remark:

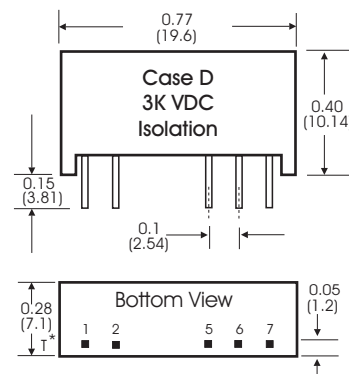
* The standard isolation is 1500VDC for case C

* Suffix "A3" on Model# for isolation 3000VDC (case D)

MECHANICAL DRAWING (Unit: inch (mm))



Pin Connection		
Pin#	Single	Dual
1	Vi+	Vi+
2	Vi-	Vi-
4	Vo-	Vo-
5	N.P.	Com.
6	Vo+	Vo+



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5	Vo-	Vo-
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7	Vo+	Vo+