

1 Watts SIP Type DC - DC Converter



FEATURES

- ◆ 1W Regulated Output Power
- ◆ High Efficiency
- ◆ Internal Filtering
- ◆ SIP6 Package
- ◆ UL 94V-0 Potting Material
- ◆ 100% Burn In
- ◆ MTBF > 500,000 Hours
- ◆ 3 Years Warranty

SPECIFICATIONS

Input Voltage Range	2:1 or 4:1
Input Filter.....	Capacitor Type
Voltage Set-Point Accuracy.....	± 2% max.
Temperature Coefficient.....	± 0.05%/°C
Ripple & Noise (20MHz BW).....	100mVp-p max.
Line Regulation ¹	± 0.5% max.
Load Regulation ²	± 0.5% max.
3.3Vout	± 1.0% max.
Minimum Load	10% of full load
Short Circuit Protection	Continuous
Efficiency.....	74% min.
Isolation Voltage ³	1500VDC
Isolation Resistance.....	10 ⁹ Ω min.
Switching Frequency.....	100KHz min.
Isolation Capacitance	80pF max.
Operating Temperature	-40°C To +85°C
Storage Temperature	-55°C To +105°C
Cooling.....	Free-Air Convection
Case Material.....	Non-Conductive Plastic
Case Size.....	17.4*7.75*11.1 mm
Weight	3.0g
Packing	28 pcs / tube ; 2800 pcs per carton

Note:

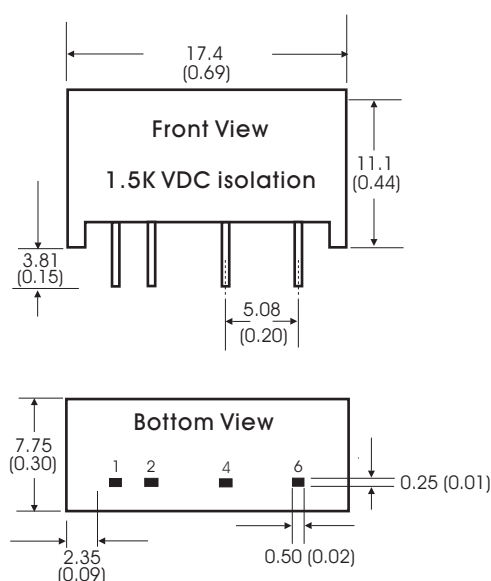
(1) Line Regulation is for 1.0% change in input Voltage.

(2) Load Regulation is for output Load current change from 20% to 100%.

(3) 1500VDC for 10 seconds

Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	EEF.
DP01-10	9-18	3.3	300	75
DP01-11	9-18	5	200	77
DP01-12	9-18	12	83	78
DP01-13	9-18	15	67	79
DP01-20	18-36	3.3	300	75
DP01-21	18-36	5	200	77
DP01-22	18-36	12	83	78
DP01-23	18-36	15	67	79
DP01-30	36-75	3.3	300	75
DP01-31	36-75	5	200	77
DP01-32	36-75	12	83	78
DP01-33	36-75	15	67	79
DP01-40	9-36	3.3	300	74
DP01-41	9-36	5	200	75
DP01-42	9-36	12	83	77
DP01-43	9-36	15	67	77
DP01-50	18-72	3.3	300	74
DP01-51	18-72	5	200	75
DP01-52	18-72	12	83	77
DP01-53	18-72	15	67	77

MECHANICAL DRAWING (Unit: mm[inch])



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