DP05 SERIES

5 Watts SIP Type DC - DC Converter

FEATURES

- 5W Regulated Output Power
- High Efficiency
- Internal Filtering
- SIP8 Package
- UL 94V-0 Potting Material
- 100% Burn In
- MTBF > 400,000 Hours
- 3 Years Warranty

SPECIFICATIONS

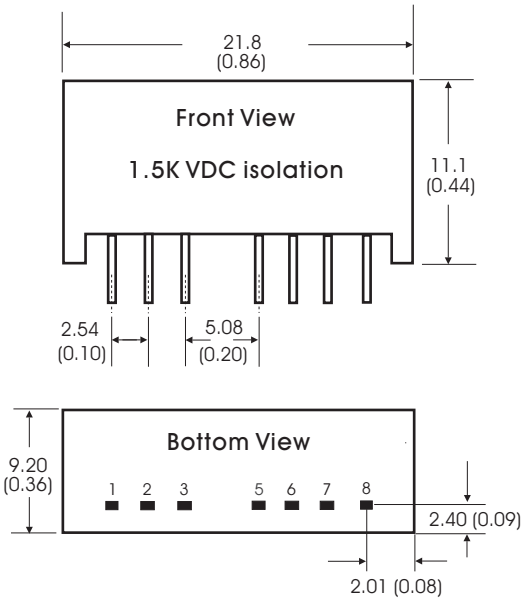
Input Voltage Range 2:1
Input Filter.....Capacitor Type
Voltage Set-Point Accuracy.....± 2% max.
Temperature Coefficient.....± 0.05%/°C
Ripple & Noise (20MHz BW).....100mVp-p max.
Line Regulation[1].....± 0.5% max.
Load Regulation[2].....± 0.5% max.
3.3Vout .....± 1.0% max.
Minimum Load .....20% of full load
Short Circuit Protection ..... Continuous
Efficiency..... 79% min.
Isolation Voltage[3].....1500VDC
Isolation Resistance..... 10^9 Ω min.
Switching Frequency..... 100KHz min.
Isolation Capacitance ..... 80pF max.
Operating Temperature ..... -40°C To +60°C
Storage Temperature ..... -55°C To +105°C
Cooling..... Free-Air Convection
Case Material..... Non-Conductive Plastic
Case Size..... 21.8*9.20*11.1 mm
Weight ..... 4.8 g
Packing ..... 23 pcs / tube ; 2300 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)	EFF. % (min.)
DP05-x0	see note	3.3	1200	80
DP05-x1	see note	5	1000	81
DP05-x2	see note	12	471	85
DP05-x3	see note	15	333	84
DP05-x4	see note	± 5	±500	79
DP05-x5	see note	±12	±208	81
DP05-x6	see note	±15	±167	82

Note:
x=1, input range 9-18VDC
x=2, input range 18-36VDC
x=3, input range 36-75VDC

MECHANICAL DRAWING (Unit: mm[inch])



Pin Connection

Pin#	Single	Dual
1	Vi-	Vi-
2	Vi+	Vi+
3	Remote	On/Off
5	NC	NC
6	Vo+	Vo+
7	Vo-	Com.
8	NC	Vo-