

9 Watts SIP Type DC - DC Converter

FEATURES

- ◆ 9W Regulated Output Power
- ◆ High Efficiency
- ◆ Internal Filtering
- ◆ SIP8 Package
- ◆ UL 94V-0 Potting Material
- ◆ 100% Burn In
- ◆ MTBF > 266,000 Hours
- ◆ 3 Years Warranty

SPECIFICATIONS

Input Voltage Range 2:1
 Input Filter.....Capacitor Type
 Voltage Set-Point Accuracy..... $\pm 2\%$ max.
 Temperature Coefficient..... $\pm 0.05\%/^{\circ}\text{C}$
 Ripple & Noise (20MHz BW).....150mVp-p max.
 Line Regulation¹..... $\pm 0.5\%$ max.
 Load Regulation²....(single)..... $\pm 0.5\%$ max.
 3.3Vout / dual $\pm 1.0\%$ max.
 Minimum Load10% of full load
 Short Circuit Protection Continuous
 Efficiency..... 82% min.
 Isolation Voltage³.....1500VDC
 Isolation Resistance..... $10^9 \Omega$ min.
 Switching Frequency..... 400KHz min.
 Isolation Capacitance 80pF max.
 Operating Temperature -40°C To +60°C
 3.3V5Vout -40°C To +55°C
 Storage Temperature -55°C To +125°C
 Cooling..... Free-Air Convection
 Case Material..... Non-Conductive Plastic
 Case Size..... 24.0*9.60*11.2 mm
 Weight 5.0 g
 Packing 40 pcs / tube ; 1600 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.)
DP09-x0	see note	3.3	2000	82
DP09-x1	see note	5	1600	85
DP09-x1B	see note	9	1000	86
DP09-x2	see note	12	750	88
DP09-x3	see note	15	600	88
DP09-x9	see note	24	375	88
DP09-x4	see note	± 5	± 800	85
DP09-x5	see note	± 12	± 375	87
DP09-x6	see note	± 15	± 300	87

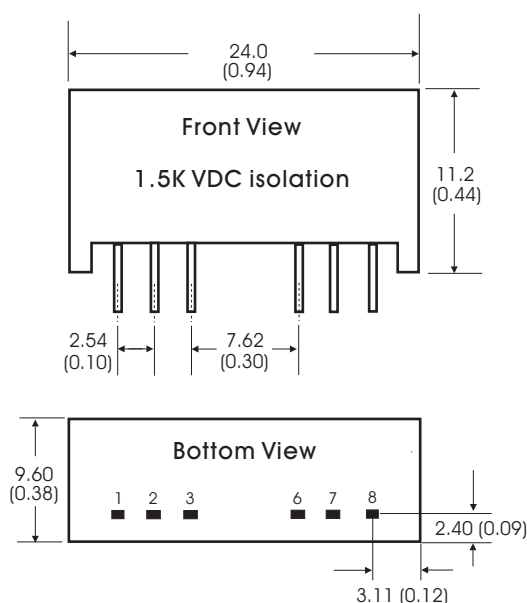
Note :

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
6	Vo+	Vo+
7	Vo-	Com.
8	NC	Vo-