

1 Watts SIP Type DC - DC Converter

FEATURES

- ◆ 1W Regulated Output Power
- ◆ Efficiency Up To 73%
- ◆ Internal Filtering
- ◆ SIP6 Package
- ◆ Internal SMD Technology
- ◆ UL 94V-0 Package Material
- ◆ 100% Burn In
- ◆ MTBF > 1,000,000 Hours
- ◆ 3 Years Warranty
- ◆ No External Components Required

SPECIFICATIONS

Input Voltage Range	+10%/-5% max.
Input Filter	Capacitor Type
Protection	Fuse Recommended
Voltage Set-Point Accuracy	± 3% max.
Temperature Coefficient	± 0.05%/°C
Ripple & Noise (20MHz BW)	100mVp-p max.
Line Regulation ¹	± 1.5% max.
Load Regulation ²	± 1.5% max.
Minimum Load	10% of full load
Short Circuit Protection(Single)	Current Limit protection 3min max.
Short Circuit Protection(Dual)	Current Limit protection 1sec max.
Efficiency	73% max.
Short Circuit Restart	Automatic
Transient Response	100uS max.
Isolation Voltage ³	1500VDC min.
Isolation Resistance	10 ⁹ Ω min.
Switching Frequency	110KHz typ.
Isolation Capacitance	80pF max.
Operating Temperature	-40°C To +85°C
Cooling	Free-Air Convection
Case Material	Non-Conductive Plastic
Case Temperature	110°C max.
Case Size	19.6*7.1*10.14 mm
Weight	2.5g

Note:

(1) High line to Low line.

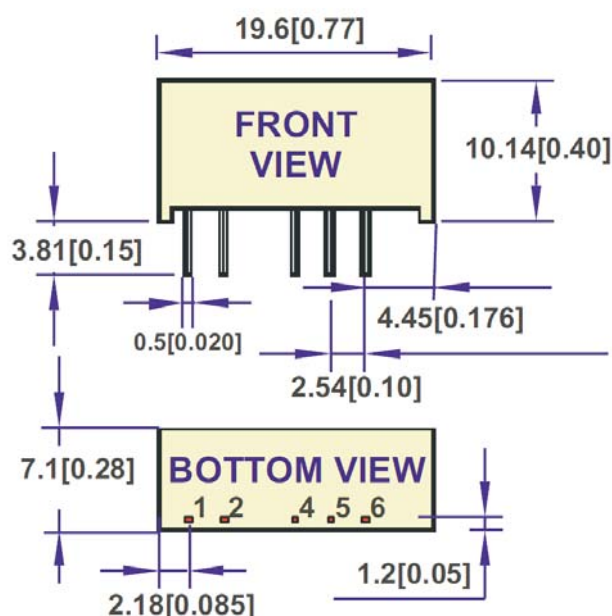
(2) Load Regulation is for output Load current change from 10% to 100%.

(3) For 10 seconds



Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	EFF. % (min.)
DR01-01N	5	5	200	68
DR01-02N	5	12	84	71
DR01-03N	5	15	67	71
DR01-05N	5	±12	±42	66
DR01-06N	5	±15	±34	67
DR01-61N	12	5	200	72
DR01-62N	12	12	84	72
DR01-63N	12	15	67	73
DR01-65N	12	±12	±42	68
DR01-66N	12	±15	±34	69
DR01-71N	24	5	200	67
DR01-72N	24	12	84	72
DR01-73N	24	15	67	73
DR01-75N	24	±12	±42	68
DR01-76N	24	±15	±34	68
DR01-81N	48	5	200	67
DR01-82N	48	12	84	67
DR01-83N	48	15	67	67
DR01-85N	48	±12	±42	63
DR01-86N	48	±15	±34	63

MECHANICAL DRAWING (Unit: mm[inch])



All dimensions are in mm[inches]

Pin Connection

Pin#	Single	Dual
1	Vi +	Vi +
2	Vi -	Vi -
4	Vo -	Vo -
5	NP	Common
6	Vo +	Vo +

Note:

All dimensions are in mm(inches)

(1) Pin Size is 0.50x0.30mm[0.02"x0.01"].

(2) Pin is Tolerance .xx= ±0.05mm.

(3) Tolerance .X= ±0.5mm

