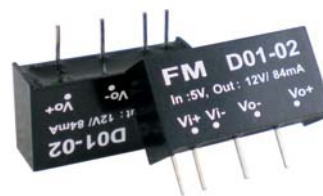


1 Watts SIP Type DC - DC Converter



FEATURES

- ◆ 1W Unregulated Output Power
- ◆ High Efficiency
- ◆ Internal SMD Technology
- ◆ Single In Line Package
- ◆ UL 94V-0 Package Material
- ◆ No Heatsink Required
- ◆ 100% Burn In

SPECIFICATIONS

Input Voltage Range	± 10% max.
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	± 1.2% max.
Load Regulation ²	± 8% max.
Short Circuit Protection	Momentary
Efficiency.....	71-83%
Min. Load:.....	20% of Full Load
Short Circuit Protection.....	Momentary
Isolation Voltage ³	1500VDC or 3000VDC
Isolation Resistance.....	10 ⁹ Ω min.
Switching Frequency.....	100KHz min.
Isolation Capacitance.....	80pF max.
Operating Temperature	-40°C To +71°C
Storage Temperature	-55°C To +125°C
Cooling.....	Free-Air Convection
Case Material.....	Non-Conductive Plastic
Case Size.....	Case A & B : 19.6*6.1*10.14mm
	Case C & D : 19.6*7.1*10.14mm
Weight	2.1g

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, 3000VDC for 3 seconds.

Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	EEF.	Isolation (VDC)
D01-01 (A3)	5	5	200	71	1500/3000
D01-02 (A3)	5	12	84	79	1500/3000
D01-03 (A3)	5	15	67	79	1500/3000
D01-04 (A3)	5	± 5	± 100	72	1500/3000
D01-05 (A3)	5	± 12	± 42	79	1500/3000
D01-06 (A3)	5	± 15	± 34	77	1500/3000
D01-61 (A3)	12	5	200	74	1500/3000
D01-62 (A3)	12	12	84	82	1500/3000
D01-63 (A3)	12	15	67	82	1500/3000
D01-64 (A3)	12	± 5	± 100	74	1500/3000
D01-65 (A3)	12	± 12	± 42	79	1500/3000
D01-66 (A3)	12	± 15	± 34	83	1500/3000
D01-71 (A3)	24	5	200	73	1500/3000
D01-72 (A3)	24	12	84	77	1500/3000
D01-73 (A3)	24	15	67	80	1500/3000
D01-74 (A3)	24	± 5	± 100	73	1500/3000
D01-75 (A3)	24	± 12	± 42	77	1500/3000
D01-76 (A3)	24	± 15	± 34	80	1500/3000

Remark:

* The standard isolation : 1500VDC

Case A: D01-01 ~ D01-66

Case C : D01-71 ~ D01-76

* Suffix "A3" On Model# for Isolation 3000VDC

Case B : D01-01A3~D01-66A3

Case D : D01-71A3~D01-76A3

MECHANICAL DRAWING (Unit: inch (mm))

