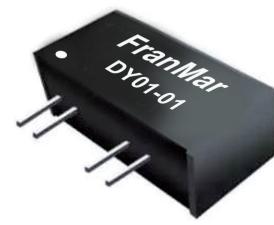


1 Watt SIP-7 Type Unregulated DC - DC Converter



FEATURES

- ◆ 1W Unregulated Output Power
- ◆ No Load Input Current as Low as 5mA
- ◆ Continuous Short Circuit Protection
- ◆ Isolation Voltage 1500VDC
- ◆ Operating Temperature range -40 °C To +105 °C

SPECIFICATIONS

Input Voltage Range.....	± 10% max.
Voltage Accuracy.....	±5% max.
Line Regulation ¹	± 1.2% typ.
Load Regulation ²	± 15% max.
Capacitive Load.....	2400uF max.
Ripple & Noise(20MHzBW) ³	75mVp-p max.
Switching Frequency.....	370KHz typ.
Short Circuit Protection.....	Continuous
Isolation Voltage (I/P-O/P).....	1.5KVDC
Isolation Resistance.....	1000M ohms/500VDC/25 °C/70% RH
Cooling.....	Free air convection
Operating Temperature.....	-40 °C To +105 °C
Storage Temperature.....	-55 °C To +125 °C
Humidity.....	95 °C max.
MTBF.....	> 3500K hours
Case Material.....	DAP
Case Size.....	19.5*6.0*10.0mm
Weight.....	2.1g Typ.

Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	EFF. (%)	Isolation (VDC)
DY01-00	5	3.3	303	70	1500
DY01-01	5	5	200	70	1500
DY01-01B	5	9	112	75	1500
DY01-02	5	12	84	78	1500
DY01-03	5	15	67	80	1500
DY01-09	5	24	42	82	1500
DY01-04H	5	± 3.3	± 150	70	1500
DY01-04	5	± 5	± 100	70	1500
DY01-04G	5	± 9	± 56	70	1500
DY01-05	5	± 12	± 42	75	1500
DY01-06	5	± 15	± 34	86	1500
DY01-06A	5	± 24	± 21	86	1500

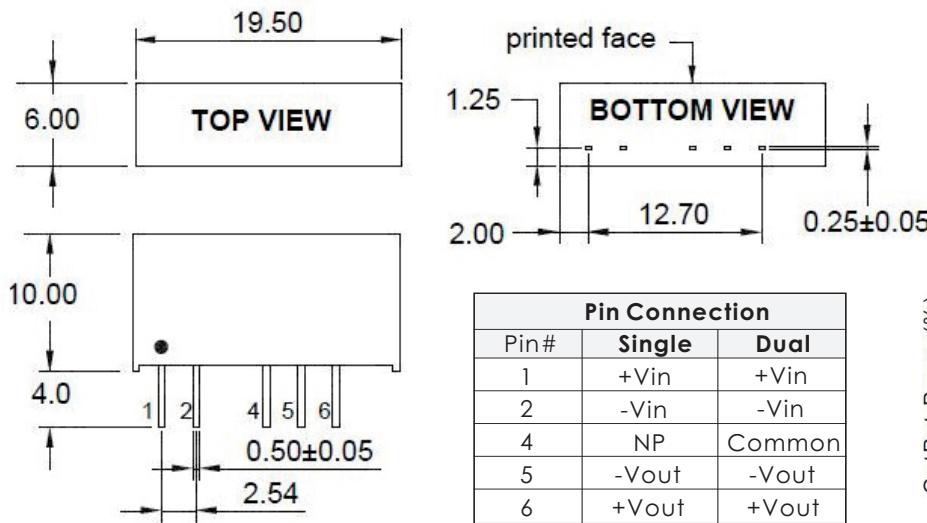
Note:

(1) High line to low line at rated load.

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

(3) R & N are measured at 20MHz with 1uF ceramic capacitor connect to the output pins.

MECHANICAL DRAWING [Unit: mm (inches)]



Derating Curve

