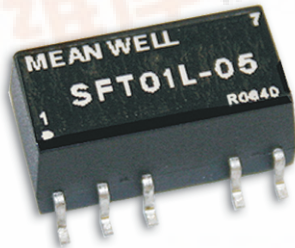




1W DC-DC Unregulated Single Output Converter

SFT01 series



■ Features :

- 3000VDC I/O isolation
- Internal SMD technology
- Protection: Short circuit
- Non-conductive plastic case
- Cooling by free air convection
- SMD package styles
- 100% full load burn-in test
- Low cost / High reliability
- Approved: UL / CUL
- 1 year warranty

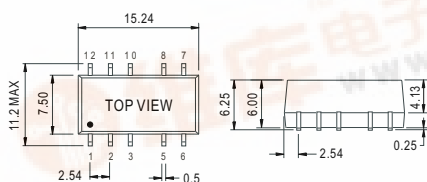
SPECIFICATION



ORDER NO.	SFT01L-05	SFT01M-05	SFT01L-09	SFT01M-09	SFT01L-12	SFT01M-12	SFT01L-15	SFT01M-15
OUTPUT	DC OUTPUT VOLTAGE	5V		9V		12V		15V
	OUTPUT CURRENT RANGE	0 ~ 200mA		0 ~ 111mA		0 ~ 84mA		0 ~ 67mA
	EFFICIENCY	70%	70%	75%	73%	78%	73%	79%
	RATED POWER	1W						74%
	RIPPLE & NOISE (max.) Note.2	100mVp-p						
	LINE REGULATION Note.3	$\pm 1.2\%$ for 1% input variation						
	LOAD REGULATION Note.4	$\pm 8.0\%$						
	VOLTAGE TOLERANCE	$\pm 8.0\%$						
INPUT	SWITCHING FREQUENCY(Typ.)	100KHz						
	VOLTAGE RANGE	4.5 ~ 5.5V	10.8 ~ 13.2V	4.5 ~ 5.5V	10.8 ~ 13.2V	4.5 ~ 5.5V	10.8 ~ 13.2V	4.5 ~ 5.5V
	NORMAL VOLTAGE	5V	12V	5V	12V	5V	12V	5V
	INPUT CURRENT	Full load	264mA	123mA	264mA	123mA	264mA	123mA
		No load	30mA	19mA	30mA	19mA	30mA	19mA
PROTECTION	PROTECTION	Fuse recommended						
	OVERLOAD	Momentary						
	SHORT CIRCUIT	Momentary						
ENVIRONMENT	WORKING TEMP.	-40 ~ +85°C (Refer to output load derating curve)						
	WORKING HUMIDITY	20% ~ 90% RH non-condensing						
	STORAGE TEMP., HUMIDITY	-40 ~ +105°C, 10 ~ 95% RH						
	TEMP. COEFFICIENT	$\pm 0.03\% / ^\circ\text{C}$ (0 ~ 50°C)						
	VIBRATION	10 ~ 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes						
SAFETY & EMC	SAFETY STANDARDS	UL60950-1, CSA C22.2						
	WITHSTAND VOLTAGE	I/P-O/P: 3KVDC						
	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH						
OTHERS	MTBF	500khrs min. MIL-HDBK-217F(25°C)						
	DIMENSION	15.24*7.5*6.0mm or 0.60**0.30**0.24" inch (L*W*H)						
	WEIGHT	1.7g						

■ Mechanical Specification

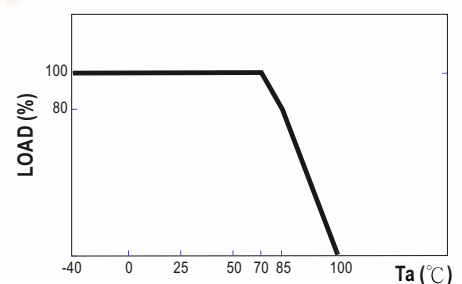
Unit: mm (inch)



■ Pin Configuration

Pin No.	Output
1	-Vin
2	+Vin
3	NC
5	-Vout
6	NC
7	NC
8	+Vout
10	NC
11	NC
12	NC

■ Derating Curve



NOTE

1. All parameters are specified at normal input, rated load, 25°C 70% RH Ambient.
2. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF & 47uF capacitor.
3. Line regulation is measured from low line to high line at rated load.
4. Load regulation is measured from 20% to 100% rated load.