



- Features :
 - 1000VDC I/O isolation
 - Internal SMD technology
 - Protection: Short circuit
 - Non-conductive plastic case
 - SMD package styles
 - 100% full load burn-in test
 - Low cost / High reliability
 - Approved: UL / CUL
 - 1 year warranty

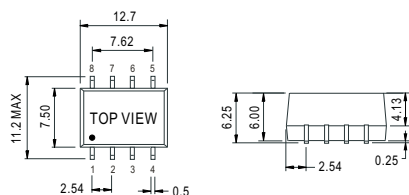
SPECIFICATION



ORDER NO.		SBT01L-05	SBT01M-05	SBT01L-09	SBT01M-09	SBT01L-12	SBT01M-12	SBT01L-15	SBT01M-15
OUTPUT	DC OUTPUT VOLTAGE	5V		9V		12V		15V	
	OUTPUT CURRENT RANGE	0 ~ 200mA		0 ~ 111mA		0 ~ 84mA		0 ~ 67mA	
	EFFICIENCY	72%	72%	74%	75%	77%	79%	78%	80%
	RATED POWER	1W							
	RIPPLE & NOISE (max.) Note.2	100mVp-p							
	LINE REGULATION Note.3	±1.2% for 1% input variation							
	LOAD REGULATION Note.4	±8.0%							
	VOLTAGE ACCURACY	±2.0%							
	SWITCHING FREQUENCY(Typ.)	100KHz							
INPUT	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	10.8 ~ 13.2V
	NORMAL VOLTAGE	5V	12V	5V	12V	5V	12V	5V	12V
	INPUT CURRENT	Full load	292mA	120mA	292mA	120mA	292mA	120mA	120mA
PROTECTION	OVER LOAD	Momentary							
		Protection type : Broken							
	SHORT CIRCUIT	Momentary							
ENVIRONMENT		Protection type : Broken							
	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	±0.03% / °C (0 ~ 50°C)							
SAFETY & EMC	VIBRATION	10 ~ 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes							
	SAFETY STANDARDS	UL60950-1, CSAC22.2							
	WITHSTAND VOLTAGE	I/P-O/P:1KVDC							
OTHERS	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH							
	MTBF	500khrs min. MIL-HDBK-217F(25°C)							
	DIMENSION	12.7*7.5*6.0mm or 0.50"*0.30"*0.24" inch (L*W*H)							
OTHERS	WEIGHT	1.3g							

Mechanical Specification

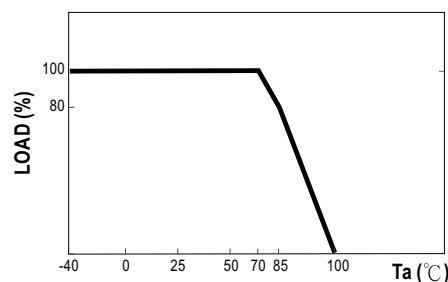
Unit: mm (inch)



Pin Configuration

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