

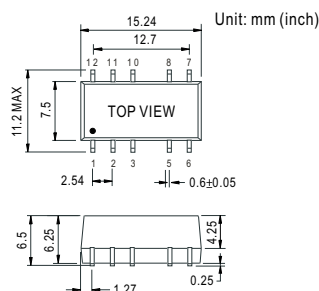
- Features :
 - 3000VDC I/O isolation
 - Internal SMD technology
 - Protection: Short circuit
 - Cooling by free air convection
 - Non-conductive plastic case
 - SMD package styles
 - 100% full load burn-in test
 - Low cost / High reliability
 - Approved: UL / CUL
 - 1 year warranty

SPECIFICATION



MODEL NO.	E0505T-1W	E1205T-1W	E0509T-1W	E1209T-1W	E0512T-1W	E1212T-1W	E0515T-1W	E1215T-1W
ORDER NO.	DET01L-05	DET01M-05	DET01L-09	DET01M-09	DET01L-12	DET01M-12	DET01L-15	DET01M-15
OUTPUT	DC OUTPUT VOLTAGE	±5V		±9V		±12V		±15V
	OUTPUT CURRENT RANGE	±100mA		±56mA		±42mA		±33mA
	EFFICIENCY	72%	71%	75%	73%	78%	74%	79%
	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 TOLERANCE	±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	280mA	122mA	280mA	122mA	280mA	122mA
		No load	29mA	18mA	29mA	18mA	29mA	18mA
PROTECTION	PROTECTION	Fuse recommended						
	OVERLOAD	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, 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*6.5mm or 0.6"*0.295"*0.24" inch (L*W*H)						
	WEIGHT	1.7g						

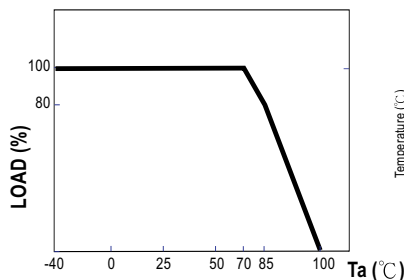
Mechanical Specification



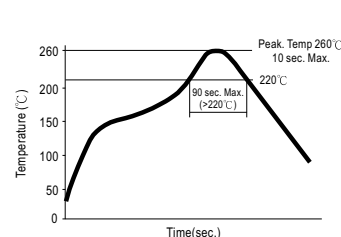
Pin Configuration

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

Derating Curve



Reflow Soldering 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.

Mouser Electronics

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