FEATURES：

- Fixed voltage input,unregulated dual output,1W
- Continuous short-circuit protection,self recover
- I/O isolation voltage 3KV
- Working temperature：-40℃～+105℃
- No additional components required
- Stable performance and high reliability (MTBF≥3500K hours)
- Industry standard pin-out
- Flame-retardant case to meet UL94-V0 requirements
- SMD package

Selection Guide

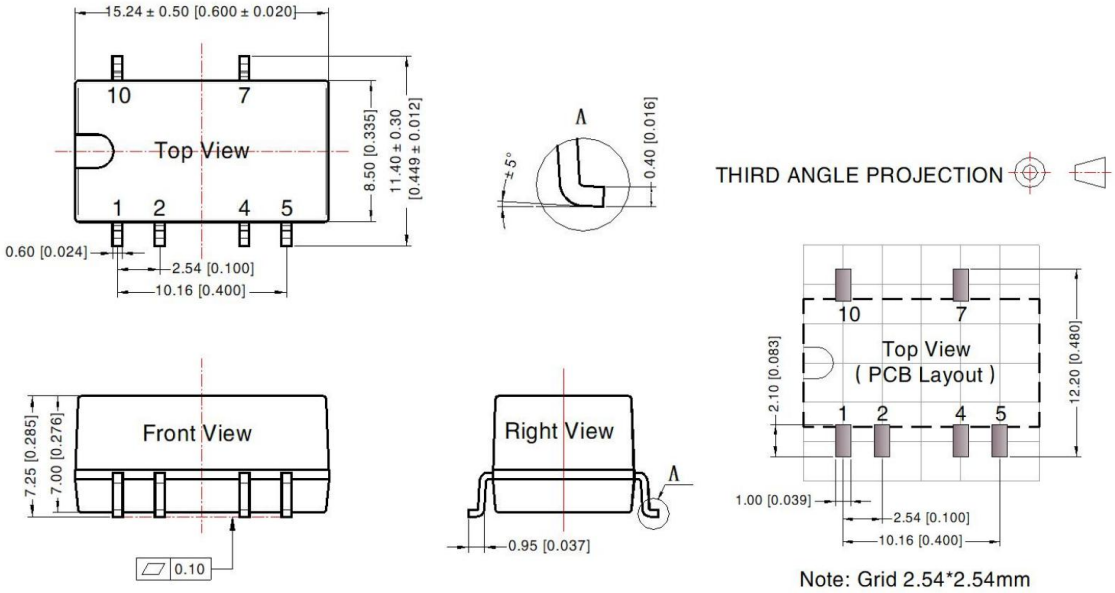
Part No.	INPUT		OUTPUT			Full Load Efficiency （%/Typ）	CapacitiveLoad(μF)
	Norminal （Vdc）	Range （Vdc）	Voltage (Vdc)	Min current (mA)	Max current (mA)		
E0303XT-1WR3	3.3	2.97-3.63	±3.3	±15	±152	77	1200
E0305XT-1WR3			±5	±10	±100	82	1200
E0309XT-1WR3			±9	±6	±56	82	470
E0312XT-1WR3			±12	±5	±42	82	220
E0315XT-1WR3			±15	±4	±34	82	220
E0324XT-1WR3			±24	±2	±21	84	100
E0503XT-1WR3	5	4.5-5.5	±3.3	±15	±152	74	1200
E0505XT-1WR3			±5	±10	±100	82	1200
E0509XT-1WR3			±9	±6	±56	83	470
E0512XT-1WR3			±12	±5	±42	83	220
E0515XT-1WR3			±15	±4	±34	83	220
E0524XT-1WR3			±24	±2	±21	85	100
E1205XT-1WR3	12	10.8-13.2	±5	±10	±100	82	1200
E12Y7XT-1WR3			±7.5	±7	±67	82	470
E1209XT-1WR3			±9	±6	±56	83	470
E1212XT-1WR3			±12	±5	±42	83	220
E1215XT-1WR3			±15	±4	±34	83	220
E1224XT-1WR3			±24	±2	±21	85	100
E1515XT-1WR3	15	13.5-16.5	±15	±4	±34	83	220
E2405XT-1WR3	24	21.6-26.4	±5	±10	±100	82	1200
E2409XT-1WR3			±9	±6	±56	83	470
E2412XT-1WR3			±12	±5	±42	83	220
E2415XT-1WR3			±15	±4	±34	83	220
E2424XT-1WR3			±24	±2	±21	85	100

customized accepted ,pls contact sales for details

Input Specifications

Input Filter	Capacitive Filter

Ctrl	NONE		
	NONE		
Hot Plug	Unavailable		
Output Specifications			
Item	Typ	Max	Test Conditions
Voltage Accuracy	±1%	±3%	input voltage range and load
Line Regulation	±0.2%	±0.5%	Input voltage from low to high voltage, full load
Load Regulation	±0.5%	±1%	10% to 100% full load
Ripple&Noise	50mVp-p	150mVp-p	20MHz Bandwidth, full load
Gerneral Specifications			
Switching Frequency	300KHz(Typ)		100% full load, nominal input voltage
Short-Circuit Protection	Continuous, self-recovery		
Case Temperature Rise	15℃（Typ）		
Temperature Coefficient	0.03%/℃		100% full load
Pin Soldering Resistance Temperature	300℃		Soldering spot is 1.5mm away from case for 10 seconds
Isolation（Input-Output）	1.5KVDC		Input-output electric strength test for 1 minute with a leakage current
Insulation Resistance（Input-Output）	1000MΩ		Input-output resistance 500Vdc
Operating Temperature	-40～+105℃		
Storage Temperature	-55～+125℃		
Storage Humidity	<95%		Non-condensing
Cooling Method	Free air convection		
Case Material	Black plastic; flame-retardant and heat-resistant (UL94 V-0)		
Weight	1.3g（Typ）		
**Unless specified, otherwise all other parameters are tested under the following conditions: nominal input voltage, pure resistive load, 25℃ room temperature environment.			
Dimensions and Recommended Layout			



Note: Grid 2.54*2.54mm

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10[±0.004]
General tolerances: ±0.25[±0.010]

Pins

Pin	Mark		
1	GND		
2	Vin		
4	0V		
5	-Vo		
7	+Vo		
10	NC		

Recommended Circuit

Recommended input and output capacitor values				
Vin	Cin	Vout	Cout	
3.3VDC	10uF/16V	±3.3VDC	10uF/16V	
5VDC	4.7uF/16V	±5VDC	4.7uF/16V	
12VDC	2.2uF/25V	±7.5VDC	1uF/16V	
15VDC	2.2uF/25V	±9VDC	1uF/16V	

24VDC	1uF/50V	±12VDC	1uF/25V	
-	-	±15VDC	0.47uF/25V	
-	-	±24VDC	0.47uF/50V	

Noted

1. Input current: Ensure that the output current of the power supply meets the instantaneous starting current of the power module (that is, twice the average input current of the power module).
2. Output load requirements: Avoid no-load use. When the actual power consumption of the load is less than 10% of the rated output power of the module or no load occurs, connect an external resistance to the output end (the sum of the external resistance and the load power is greater than or equal to 10% of the rated load) or select a module with a smaller rated power.
3. The external capacitance of the output end should not be too large; otherwise, the module may be overcurrent or poorly started. For details, see the external capacitance recommendation table.
4. External LC filter circuit can be connected for occasions with high ripple noise requirements.