

OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	MODEL NUMBER		
			5 VDC IN	12 VDC IN	24 VDC IN
3.3 VDC	500 mA	1.7W	TSC2-2S053.3N	TSC2-2S123.3N	TSC2-2S243.3N
5 VDC	400 mA	2W	TSC2-2S0505N	TSC2-2S1205N	TSC2-2S2405N
12 VDC	165 mA	2W	TSC2-2S0512N	TSC2-2S1212N	TSC2-2S2412N
15 VDC	133 mA	2W	TSC2-2S0515N	TSC2-2S1215N	TSC2-2S2415N
±5 VDC	±200 mA	2W	TSC2-2D0505N	TSC2-2D1205N	TSC2-2D2405N
±12 VDC	±83 mA	2W	TSC2-2D0512N	TSC2-2D1212N	TSC2-2D2412N
±15 VDC	±66 mA	2W	TSC2-2D0515N	TSC2-2D1215N	TSC2-2D2415N

### ELECTRICAL SPECIFICATIONS

All Specifications Typical @+25°C, Nominal Line, and Full Load Unless Otherwise Noted.

### INPUT SPECIFICATIONS

Input Voltage Range.....±10%  
 Input Filter.....Pi Filter

### OUTPUT SPECIFICATIONS

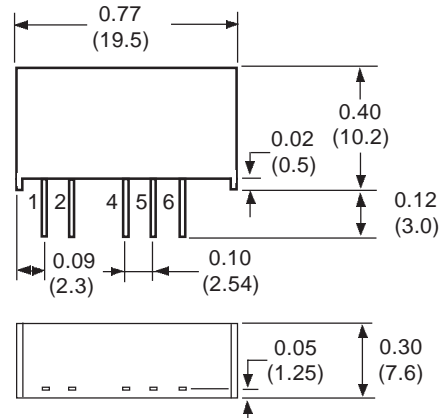
Voltage Accuracy.....±3%, Max.  
 Voltage Balance, Balance Load.....±1%, Max.  
 Line Regulation, FL.....±1.2%/V<sub>in</sub>, Typ.  
 Load Regulation, FL-20%FL.....±8%, Typ.  
 (For regulated 0.75W models, see TSB Series.)  
 Ripple and Noise, 20MHz BW.....100 mVp-p, Typ.  
 150 mVp-p, Max.  
 Short Circuit Protection.....0.5 Second, Max.

### GENERAL SPECIFICATIONS

Efficiency.....73- 83%  
 Isolation Voltage, Input to Output.....1,000 VDC  
 (For 3K VDC isolated 1W models, see TSC-H Series.)  
 Isolation Resistance.....10<sup>9</sup> Ohms, Min.  
 Isolation Capacitance.....80pF, Typ.  
 Switching Frequency.....80 kHz, Typ.  
 Operating Temperature, No Derating.....-25°C to +71°C  
 Storage Temperature Range.....-40°C to +125°C  
 Cooling.....Free Air Convection  
 MTBF per MIL-HDBK-217F @25°C.....>2,000k Hours  
 Weight.....0.1 oz. (3 grams)  
 Case Material.....Non-Conductive Black Plastic

PIN CONNECTIONS	
PIN	FUNCTION
1	+V Input
2	-V Input
4	-V Output
5	Common*
6	+V Output

\*No pin on single output models.



PIN SIZE: 0.02 X 0.01 INCH

ALL DIMENSIONS IN INCHES (mm)