

OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	*MODEL NUMBER				
			5 VDC IN	12 VDC IN	15 VDC IN	24 VDC IN	48 VDC IN
5 VDC	200 mA	1W	TS1-1S0505N	TS1-1S1205N	TS1-1S1505N	TS1-1S2405N	TS1-1S4805N
12 VDC	83 mA	1W	TS1-1S0512N	TS1-1S1212N	TS1-1S1512N	TS1-1S2412N	TS1-1S4812N
15 VDC	66 mA	1W	TS1-1S0515N	TS1-1S1215N	TS1-1S1515N	TS1-1S2415N	TS1-1S4815N
24 VDC	42 mA	1W	TS1-1S0524N	TS1-1S1224N	TS1-1S1524N	TS1-1S2424N	TS1-1S4824N

0.25W, 0.5W, 0.75W versions and other input/output combinations are available.
*Specify TS1-1QSxxxxN, TS1-2QSxxxxN and TS1-3QSxxxxN for 0.25W, 0.5W and 0.75W respectively.

ELECTRICAL SPECIFICATIONS

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

INPUT SPECIFICATIONS

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

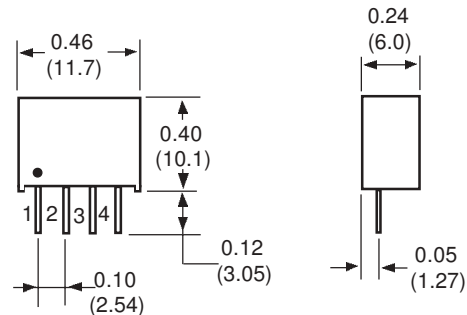
OUTPUT SPECIFICATIONS

Voltage Accuracy.....±5%, Max.
Line Regulation, FL.....±1.2%/V_{in}, Max.
Load Regulation, FL-20%FL.....±8%, Max.
Ripple and Noise, 20MHz BW.....100 mVp-p, Max.
Short Circuit Protection.....Momentary

GENERAL SPECIFICATIONS

Efficiency.....72 - 80%
Isolation Voltage, Input to Output.....1,000 VDC
>> For 3,000 VDC isolation, see TS1-NH series. <<
Isolation Resistance.....10⁹ Ohms, Min.
Switching Frequency.....80 kHz, Min.
Operating Temperature Range.....-25°C to +71°C
(Add Suffix "T" for -40 to +85°C Extended Temperature Range.)
Storage Temperature Range.....-55°C to +125°C
Cooling.....Free Air Convection
Weight.....0.1 oz. (2 grams)
Case Material.....Non-Conductive Black Plastic

PIN CONNECTIONS	
PIN	FUNCTION
1	-V Input
2	+V Input
3	-V Output
4	+V Output



PIN SIZE: 0.02 X 0.01 INCH
ALL DIMENSIONS IN INCHES (mm)