

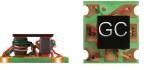
## **Features**

- suitable for tin/lead and RoHS solder systems
- wideband, 5 to 1200 MHz
- balanced transmission line
- good return loss, 20 dB typ. at 1 dB band
- excellent amplitude unbalance, 0.3 dB typ.
- aqueous washable

### **Applications**

- balanced to unbalanced transformation
- push-pull amplifiers
- PCS/DCS
- cable TV
- cellular

# Electrical Specifications at 25°C



CASE STYLE: TT1618

+ROHS Compliant The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

Available Tape and Reel at no extra cost
Devices/Reel
20, 50, 100, 200
500, 1000

Parameter	Frequency (MHz)	Min.	Тур.	Max.	Unit
Impedance Ratio (secondary/primary)			2		
Frequency Range		5		1200	MHz
	5 - 600	_	0.5	1.0	
Insertion Loss (avg)*	600 - 1000	—	1.0	1.9	dB
	1000 - 1200	—	1.7	2.3	
	5 - 600	—	0.3	1.0	
Amplitude Unbalance	600 - 1000	_	0.6	1.6	dB
	1000 - 1200	_	0.6	1.9	
Phase Unbalance	5 - 50	—	0.2	3	Degree
	50 - 1200	_	3	9	Degree
	5 - 50	17	22	_	
Input Return Loss Single Ended	50 -1000	14	22	_	dB
	1000 - 1200	9	17		

\* Insertion Loss is referenced to mid-band loss, 0.6 dB typ.

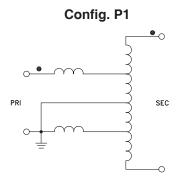
#### **Maximum Ratings**

Parameter	Ratings
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25W
DC Current	30mA

Permanent damage may occur if any of these limits are exceeded.

# **Pin Connections**

Function	Pin Number
PRIMARY DOT	1
PRIMARY	4
SECONDARY DOT	3
SECONDARY	2





www.minicircuits.com P.O. Box 350166, Brooklyn, NY 11235-0003 (718) 934-4500 sales@minicircuits.com

# TRS2-1T-1+