

Mini-Circuits

SURFACE MOUNT

RF Transformer

TC1.5-52TG2+

50Ω 0.5 to 550 MHz

FEATURES

- Suitable for tin/lead and RoHS solder systems
- Low insertion loss, 0.4 dB typ. in 1 dB Bandwidth
- Excellent return loss, 25 dB typ. in 1 dB Bandwidth
- Plastic base with leads
- Aqueous washable



Generic photo used for illustration purposes only

CASE STYLE: AT224-3

+RoHS Compliant

The +Suffix identifies RoHS Compliance.
See our website for methodologies and qualifications

APPLICATIONS

- Impedance matching, 50 to 75 ohms
- Balanced amplifier

ELECTRICAL SPECIFICATIONS AT +25°C

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Unit
Impedance Ratio (Secondary/Primary)			1.5		Ohm
Frequency Range		0.5		550	MHz
Insertion Loss*	0.5-550		3		dB
	1-350		2		
	2-200		1		

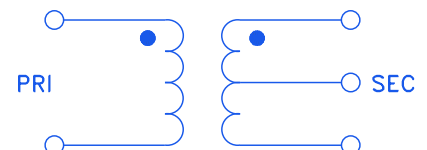
*Insertion Loss is referenced to mid-band loss, 0.4 dB typ.

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.

CONFIG. A



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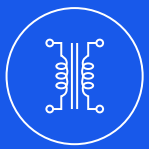
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TYPICAL PERFORMANCE DATA

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
0.50	0.82	15.72
1.00	0.61	19.84
5.00	0.33	28.81
10.00	0.29	32.35
50.00	0.35	28.60
100.00	0.41	23.52
200.00	0.53	18.07
250.00	0.61	16.13
300.00	0.70	14.71
400.00	0.90	12.52
550.00	1.28	10.19



- NOTES
- Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
 - Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
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