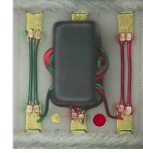


Surface Mount RF Transformer

50Ω 50 to 1000 MHz

TRS1-1T-13-2A+



CASE STYLE: AT577
PRICE: \$3.95 ea. QTY (100)

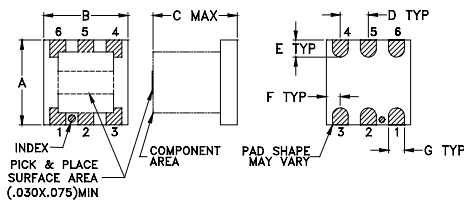
Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25W
DC Current	16mA

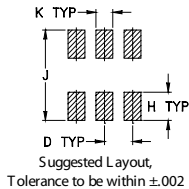
Pin Connections

PRIMARY DOT	1
PRIMARY	3
SECONDARY DOT	6
SECONDARY	4
CT	2
NOT USED	5

Outline Drawing



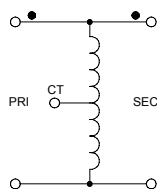
PCB Land Pattern



Outline Dimensions (inch/mm)

A	B	C	D	E	F
.200	.200	.200	.075	.050	.025
5.08	5.08	5.08	1.91	1.27	0.64
G	H	J	K	wt	
.026	.070	.220	.035	grams	
0.66	1.78	5.59	0.89	0.15	

Config. M



Features

- wideband, 50 to 1000 MHz
- small size
- aqueous washable

Applications

- VHF/UHF
- receivers/transmitters
- impedance matching
- biasing

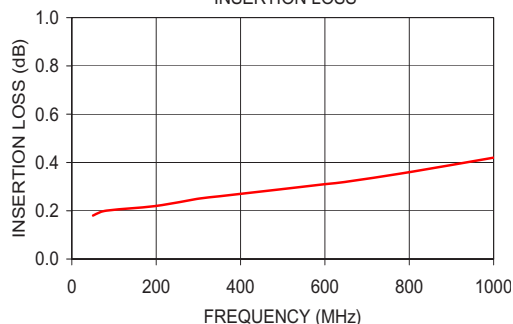
Transformer Electrical Specifications

Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS			RETURN LOSS (dB)
		3 dB MHz	2 dB MHz	1 dB MHz	
1	50-1000	—	—	50-1000	Min. 15

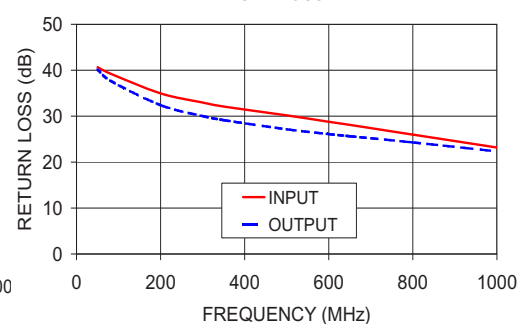
Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	OUTPUT R. LOSS (dB)
50.00	0.18	40.67	40.14
80.00	0.20	39.29	37.75
200.00	0.22	34.96	32.40
300.00	0.25	32.97	30.03
350.00	0.26	32.10	29.14
500.00	0.29	30.18	27.15
600.00	0.31	28.78	26.10
650.00	0.32	28.11	25.64
800.00	0.36	25.99	24.28
1000.00	0.42	23.18	22.33

TRS1-1T-13-2A+
INSERTION LOSS



TRS1-1T-13-2A+
RETURN LOSS



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.
- The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp

