Surface Mount **RF Transformer**

50Ω

1.5 to 600 MHz

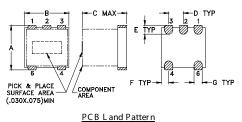
Maximum Ratings

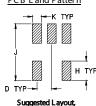
Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25W
DC Current	30mA
Permanent damage may occur if any	of these limits are exceeded.

Pin Connections

PRIMARY DOT	6
PRIMARY	4
SECONDARY DOT	1
SECONDARY	3
SECONDARY CT	2

Outline Drawing AT224-3

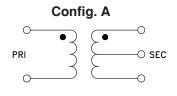




Tolerance to be within ±.002

Outline Dimensions (inch)

A	B	C	D	E	F
.150	.150	.150	.050	.030	.025
3.81	3.81	3.81	1.27	0.76	0.64
G	H	J	K		wt
.028	.065	.190	.030		grams
0.71	1.65	4.83	0.76		0.10



Features

- suitable for tin/lead and RoHs solder systems
- wideband, 1.5 to 600 MHz
- good return loss
- · aqueous washable

Applications

- ĊATV
- VHF/UHF receivers/transmitters

TC4-6TG2+



Generic photo used for illustration purposes only CASE STYLE: AT224-3

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

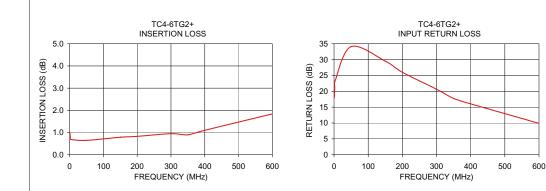
	Available Tape and Reel at no extra cost
Reel Size	Devices/Reel
7"	20, 50, 100, 200, 500
13"	1000, 2000

Transformer Electrical Specifications

Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)		INSERTION LOSS*	
		3 dB MHz	2 dB MHz	1 dB MHz
4	1.5-600	1.5-600	2-400	3-350

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

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
1.00	0.99	18.04
2.00	0.79	21.15
3.00	0.69	23.26
50.00	0.65	34.11
150.00	0.79	29.54
200.00	0.83	26.00
300.00	0.95	20.67
350.00	0.90	17.75
400.00	1.10	16.06
600.00	1.84	9.91



Notes

A 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. B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. C. 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-Circuit's website at www.minicircuits.com/WCLStore/terms.jsp



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