Surface Mount **RF** Transformer

50Ω

2 to 1100 MHz

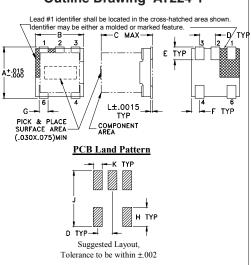
Maximum Ratings

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	3
SECONDARY DOT	1
SECONDARY	3

Outline Drawing AT224-1



Outline Dimensions (inch)

A	B	C	D	E	F
. 150	. 150	.160	.050	.040	.025
3.81	3.81	4.06	1.27	1.02	0.64
G	H	J	K	L	wt
.028	. 065	. 190	.030	.007	grams
0.71	1.65	4.83	0.76	0.18	0.15

Config. D -0 С PRI SEC

Features

- wideband 2-1100 MHz
- aood return loss
- terminations, solder plated with nickel barrier for solderability and excellent leach resistance
- step-down autotransformer
- · plastic base with leads
- aqueous washable

Applications

cellular

Upgraded Version TC4-11+



Generic photo used for illustration purposes only CASE STYLE: AT224-1 Addition of Top hat™ feature Benefits Allows faster pick-and-place Enables visual identification marking

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

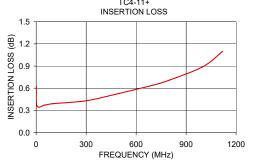
Reel Size 200, 500

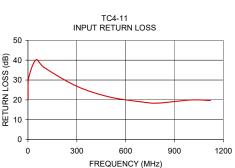
Transformer Electrical Specifications

FREQUENCY **INSERTION LOSS*** Ω RATIO (MHz) 3 dB 2 dB 1 dB (Primary/Secondary) MHz MHz MHz 50/12.5 2-1100 _ 2-1100 5-700

* Insertion Loss is referenced to mid-band loss, 0.4 dB tvp. Stepdown, 50 ohm primary, 5.2 pF across secondary

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
1.00	0.63	20.35
5.00	0.36	31.19
50.00	0.37	40.18
100.00	0.39	36.30
300.00	0.43	26.86
500.00	0.53	21.49
700.00	0.64	18.96
800.00	0.71	18.37
1000.00	0.89	19.97
1120.00	1.10	19.69
TC4-11+		TC4-11





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

Mini-Circuits

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