

Surface Mount RF Transformer

TC2-1T

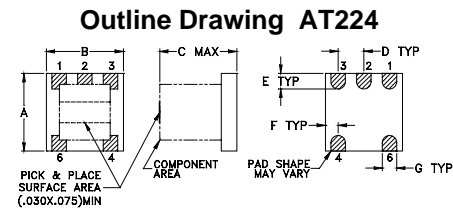
50Ω 3 to 300 MHz

Maximum Ratings

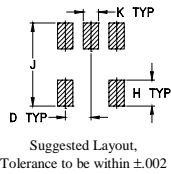
Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25W
DC Current	30mA

Pin Connections

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



PCB Land Pattern



Outline Dimensions (inch/mm)

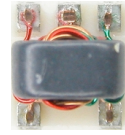
A	B	C	D	E	F
.150	.150	.150	.050	.030	.025
3.81	3.81	3.81	1.27	0.76	0.64
G	H	J	K		wt
.028	.065	.190	.030		grams
0.71	1.65	4.83	0.76		0.10

Features

- leadless surface mount
- good return loss
- excellent amplitude unbalance (0.5 dB typ) and phase unbalance (4 deg. typ) in 1 dB bandwidth
- aqueous washable

Applications

- impedance matching
- balanced to unbalanced transformation
- push-pull amplifier



CASE STYLE: AT224
PRICE: \$1.29 ea. QTY (100)

Transformer Electrical Specifications

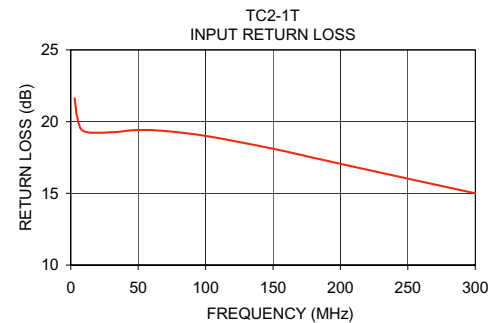
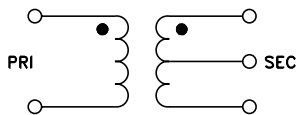
Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
2	3-300	—	—	3-300

* Insertion Loss is referenced to mid-band loss, .4 dB typ.

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
3.00	0.38	21.63
5.00	0.33	20.24
10.00	0.34	19.32
30.00	0.34	19.26
50.00	0.37	19.41
70.00	0.40	19.34
100.00	0.44	19.00
150.00	0.52	18.11
200.00	0.60	17.06
300.00	0.80	15.00

Config. A



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RF/IF MICROWAVE COMPONENTS

REV. D
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ED-6119
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080206