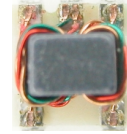


# Surface Mount RF Transformer

50Ω

0.5 to 300 MHz

TC4-1T



CASE STYLE: AT224  
PRICE: \$1.19 ea. QTY (100)

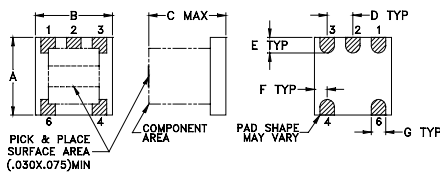
## Maximum Ratings

Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	.25W
DC Current	30mA

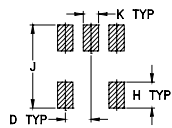
## Pin Connections

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

## Outline Drawing AT224



## PCB Land Pattern



Suggested Layout,  
Tolerance to be within ±.002

## 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

- wide band 0.5-300 MHz, usable over 0.2-450 MHz
- good return loss
- impedance matching
- leadless surface mount
- aqueous washable

## Applications

- catv

## Transformer Electrical Specifications

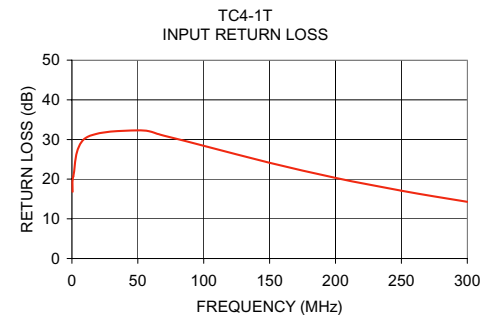
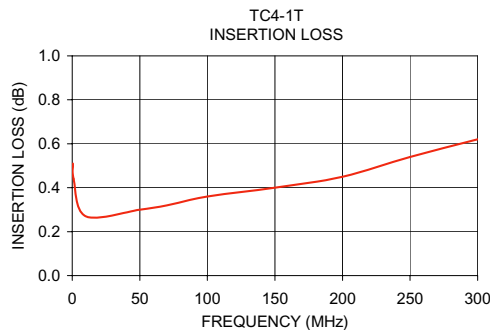
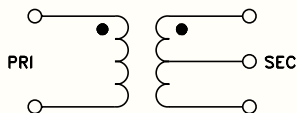
Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
4	0.5-300	—	0.5-300	1.5-100

\* Insertion Loss is referenced to mid-band loss, 0.3 dB typ.

## Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
0.50	0.51	16.81
1.00	0.44	20.73
10.00	0.27	30.31
50.00	0.30	32.32
70.00	0.32	30.95
100.00	0.36	28.39
150.00	0.40	24.12
200.00	0.45	20.32
250.00	0.54	17.09
300.00	0.62	14.29

## Config. A



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RF/IF MICROWAVE COMPONENTS

REV. C  
M111888  
TC4-1T  
ED-6398/2  
IG/TD/CP/AM  
080206