

# Surface Mount RF Transformer

## TC2-1T

50Ω

3 to 300 MHz

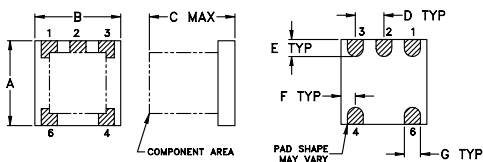
### Maximum Ratings

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

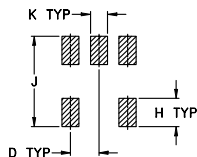
### Pin Connections

PRIMARY DOT	6
PRIMARY	4
SECONDARY DOT	1
SECONDARY	3
SECONDARY CT	2
NOTUSED	5

### Outline Drawing AT224



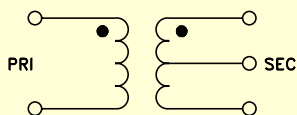
#### SUGGESTED LAYOUT FOR PCB LAND PATTERN



### 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	

### Config. A



### 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

MODEL NO.	Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*		
			3 dB MHz	2 dB MHz	1 dB MHz
TC2-1T	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	0.49	23.75
5.00	0.43	26.01
7.00	0.41	27.23
10.00	0.40	28.16
50.00	0.45	28.46
70.00	0.47	28.39
100.00	0.47	28.44
150.00	0.50	28.83
200.00	0.50	28.95
300.00	0.52	29.36

TC2-1T  
INSERTION LOSS

