

# Surface Mount RF Transformer

## TC4-1W

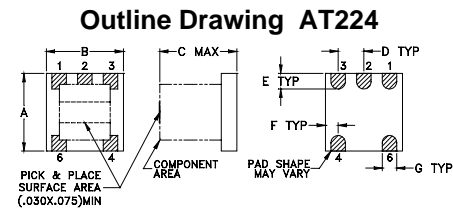
50Ω      3 to 800 MHz

### Maximum Ratings

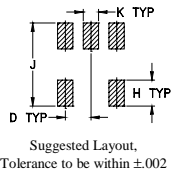
Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25W
DC Current	30mA

### Pin Connections

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



### PCB Land Pattern



### Outline Dimensions (inch/mm)

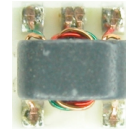
A	B	C	D	E	F
.150	.150	.150	.050	.030	.025
3.81	3.81	3.81	1.27	0.76	0.64
G	H	J	K		wt
.028	.065	.190	.030		grams
0.71	1.65	4.83	0.76		0.10

### Features

- wideband, 3-800 MHz
- leadless surface mount
- good return loss
- aqueous washable

### Applications

- impedance matching
- push-pull amplifiers



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

### Transformer Electrical Specifications

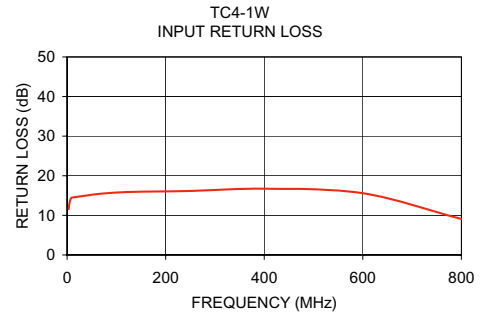
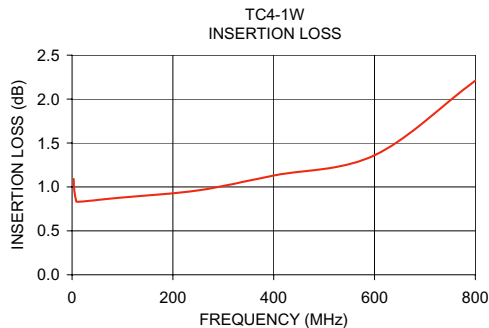
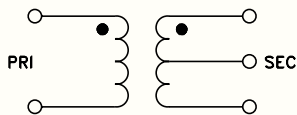
Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
4	3-800	3-800	5-400	10-100

\* Insertion Loss is referenced to mid-band loss, 0.8 dB typ.

### Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
3.00	1.09	11.58
4.00	0.98	12.35
5.00	0.93	13.11
7.50	0.86	14.21
10.00	0.83	14.49
100.00	0.88	15.77
250.00	0.96	16.17
400.00	1.13	16.72
600.00	1.36	15.59
800.00	2.21	9.07

### Config. A



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RF/IF MICROWAVE COMPONENTS

REV. B  
M111888  
TC4-1W  
IG/TD/CP/AM  
080206