

Surface Mount RF Transformer

TC8-1

50Ω

2 to 500 MHz



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	0.25W
DC Current	30mA

Pin Connections

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

Features

- wideband, 2 to 500 MHz
- good return loss
- leadless surface mount
- aqueous washable

Applications

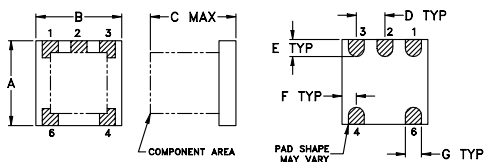
- push-pull amplifier
- impedance matching

Transformer Electrical Specifications

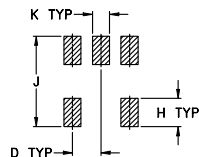
MODEL NO.	Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*		
			3 dB MHz	2 dB MHz	1 dB MHz
TC8-1	8	2-500	2-500	5-400	10-100

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

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	

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
2.00	1.20	10.65
3.00	1.03	12.20
5.00	0.90	14.01
7.50	0.84	15.09
10.00	0.82	15.64
55.00	0.86	15.88
100.00	0.90	15.29
400.00	1.15	9.68
450.00	1.34	9.15
500.00	1.51	8.67

Config. A

