

Surface Mount RF Transformer

TC4-11

50Ω

2 to 1100 MHz



CASE STYLE: AT224
PRICE: \$1.59 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	3
SECONDARY DOT	1
SECONDARY	3

Features

- wideband 2-1100 MHz
- good return loss
- terminations, solder plated with nickel barrier for solderability and excellent leach resistance
- step-down autotransformer
- aqueous washable

Applications

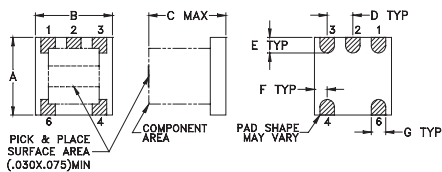
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Transformer Electrical Specifications

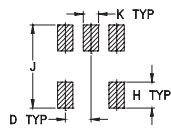
Ω RATIO (Primary/Secondary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
50/12.5	2-1100	—	2-1100	5-700

* Insertion Loss is referenced to mid-band loss, 0.4 dB typ.
Stepdown, 50 ohm primary, 5.2 pF across secondary

Outline Drawing AT224



PCB Land Pattern



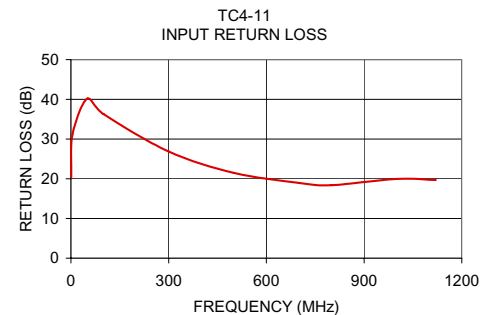
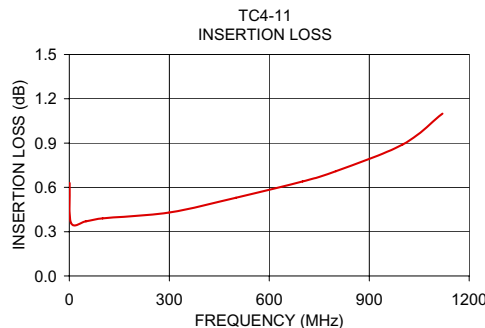
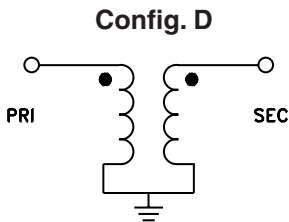
Suggested Layout,
Tolerance to be within ±0.02

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)
1.00	0.63	20.35
5.00	0.36	31.19
50.00	0.37	40.18
100.00	0.39	36.30
300.00	0.43	26.86
500.00	0.53	21.49
700.00	0.64	18.96
800.00	0.71	18.37
1000.00	0.89	19.97
1120.00	1.10	19.69



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IF/RF MICROWAVE COMPONENTS

REV. C
M111888
TC4-11
IG/TD/CP/AM
081119