

50Ω

5 to 300 MHz

TC3-1TG2+

CASE STYLE: AT224-3

PRICE: \$1.49 ea. QTY (100)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

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

Features

- suitable for tin/lead and RoHS solder systems
- excellent amplitude unbalance, (0.3 dB typ.) and phase unbalance, (5 deg. typ.) in 1 dB bandwidth
- good return loss
- aqueous washable

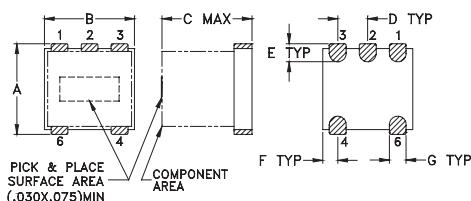
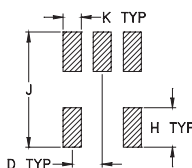
Applications

- impedance matching
- balanced antennas

Transformer Electrical Specifications

Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
3	5-300	—	—	5-300

* Insertion Loss is referenced to mid-band loss, 0.4 dB typ.

Outline Drawing AT224-3**PCB Land Pattern**

Suggested Layout,
Tolerance to be within ± 0.002

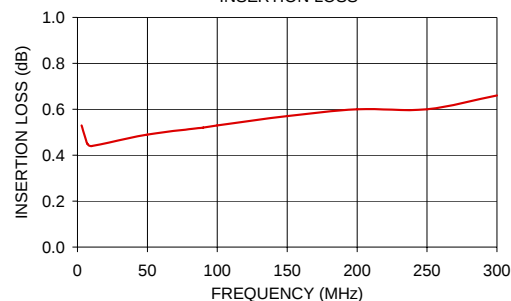
Outline Dimensions (inch)

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	

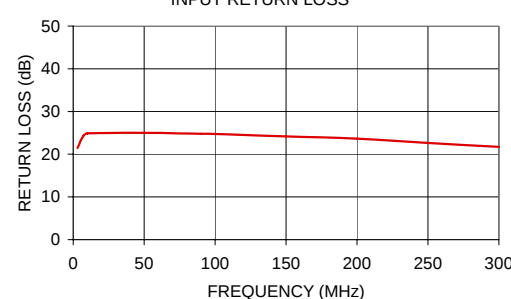
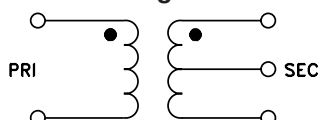
Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
3.00	0.53	21.45
7.00	0.45	24.23
10.00	0.44	24.89
50.00	0.49	24.99
90.00	0.52	24.79
100.00	0.53	24.74
150.00	0.57	24.15
200.00	0.60	23.65
250.00	0.60	22.64
300.00	0.66	21.73

TC3-1TG2+
INSERTION LOSS



TC3-1TG2+
INPUT RETURN LOSS

**Config. A**

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RF/IF MICROWAVE COMPONENTS

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TC3-1TG2+
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