# Surface Mount **RF Transformer**

# **50**Ω

# 0.25 to 400 MHz

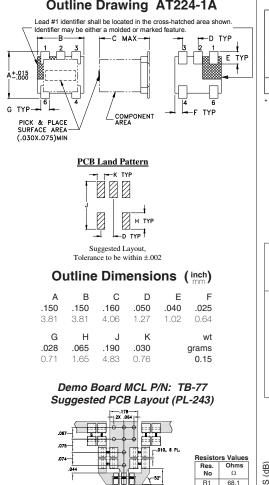
## **Maximum Ratings**

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25 W
DC current	30mA
Permanent damage may occur if any o	of these limits are exceeded.

### **Pin Connections**

PRIMARY DOT	6
PRIMARY	4
SECONDARY DOT	1
SECONDARY	3
SECONDARY CT	_
NOT USED	2,5

### Outline Drawing AT224-1A



# **Features**

- · plastic base with solder plated leads
- excellent amplitude unbalance, 0.2 dB typ. and phase unbalance, 3 deg. typ. in 1dB bandwidth
- aqueous washable

#### **Applications**

- · balanced to unbalanced
- push-pull amplifier





#### CASE STYLE: AT224-1A

#### \*Addition of Top hat™ feature

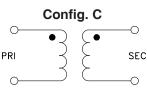
- Benefits Allows faster pick-and-place
- Enables visual identification marking

#### +RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

	El	ectrical Specific	cations	
RATIO	FREQUENCY (MHz)			
		3 dB MHz	2 dB MHz	1 dB MHz
1	0.25-400	0.25-400	0.35-250	0.7-150
		-ID to us		

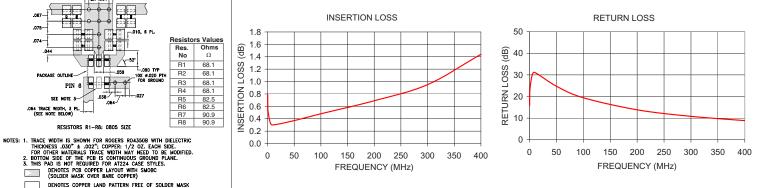
\* Insertion Loss is referenced to mid-band loss, 0.3 dB typ.





#### **Typical Performance Data**

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	
0.25	0.79	15.85	
0.50	0.63	20.29	
1.00	0.52	23.72	
5.00	0.34	29.93	
10.00	0.30	31.13	
50.00	0.37	24.78	
100.00	0.48	19.43	
200.00	0.69	13.85	
300.00	0.95	10.83	
400.00	1.44	8.85	



#### Г Notes

PACKAGE OUTLINE

.064 TRACE WIDTH, 3 PL.

DIN 6

А. В.

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