# **RF Transformer**

CASE STYLE: AT224-1 PRICE: \$2.19 ea. QTY (20) \$1.19 ea. QTY (100)

# Renefits

- 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

### $50\Omega$ 2 to 500 MHz

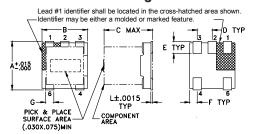
# **Maximum Ratings**

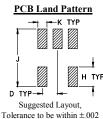
Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25W
DC Current	30mA
Permanent damage may occur if any o	f these limits are exceeded

### **Pin Connections**

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

# **Outline Drawing AT224-1**

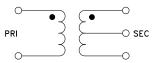




### Outline Dimensions (inch)

F	Е	D	С	В	Α
.025	.040	.050	.160	.150	.150
0.64	1.02	1.27	4.06	3.81	3.81
wt	L	K	J	Н	G
grams		.030	.190	.065	.028
0.15		0.76	4.83	1.65	0.71

# Config. A



# • aqueous washable

· good return loss

**Features** 

• wideband, 2 to 500 MHz

· plastic base with leads

# **Applications**

- push-pull amplifier
- · impedance matching

# **Transformer Electrical Specifications**

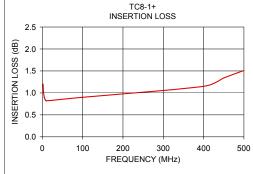
Ω	FREQUENCY	INSERTION LOSS*		
(Secondary/Primary)	(MHz)	3 dB MHz	2 dB MHz	1 dB MHz
8	2-500	2-500	5-400	10-100

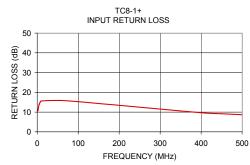
<sup>\*</sup> Insertion Loss is referenced to mid-band loss, 0.8 dB typ.

Available Tape and Reel at no extra cost				
Reel Size	Devices/Reel			
7"	20, 50, 100, 200, 500			
13"	1000, 2000			

# **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	





- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.

  B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.

  C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp