RF Transformer

TC1-1-43A+

50Q 650 to 4000 MHz

Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	250mW
DC Current	30mA
Permanent demage may eccur if any	of those limits are evenedor

Pin Connections

PRIMARY DOT	6
PRIMARY	4
SECONDARY DOT	1
SECONDARY	3
NOT USED	2

Features

- wideband, 650 to 4000 MHz
- balanced transmission line
- good return loss
- excellent amplitude unbalance, 0.5 dB typ. and phase unbalance, 3 deg typ. in 1 dB bandwidth
- plastic base with leads
- aqueous washable

Applications

- balanced to unbalanced transformation
- push-pull amplifiers
- PCS/DCS
- MMDS

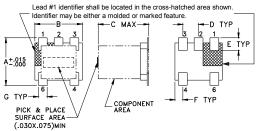
CASE STYLE: AT224-1A PRICE: \$1.99 ea. QTY (20) \$.99 ea. QTY (100)

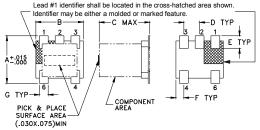
+RoHS Compliant

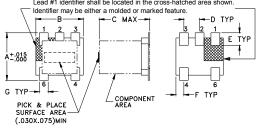
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

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

Outline Drawing AT224-1A







PCB Land Pattern



Suggested Layout, Tolerance to be within $\pm .002$

Outline Dimensions (inch)

F . 025 0.64	.040 1.02	. 050 1.27	.160 4.06	. 150 3.81	A . 150 3.81
wt		K	J	H	G
grams		. 030	. 190	.065	. 028
0.15		0.76	4.83	1.65	0.71

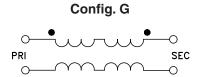
Electrical Specifications (T_{AMB}=25°C)

RATIO	FREQUENCY (MHz)	INSERTION LOSS*		UNBAI (De	ASE LANCE eg.) /p.	UNBAI (d	ITUDE LANCE B) 'p.
		2 dB MHz	1 dB MHz	1 dB bandwidth	2 dB bandwidth	1 dB bandwidth	2 dB bandwidth
1	650-4000	650-4000	800-3000	3	4	0.5	0.5

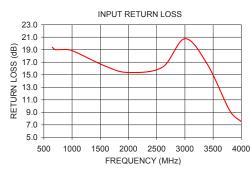
*Insertion Loss is referenced to mid-band loss, 0.5 dB tvp.

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
650.00	0.30	19.40	0.72	7.04
700.00	0.30	19.03	0.70	6.11
800.00	0.32	19.01	0.65	4.73
1000.00	0.35	18.85	0.50	3.45
1600.00	0.45	16.34	0.15	0.32
2000.00	0.53	15.36	0.05	0.42
2600.00	0.62	16.20	0.40	0.66
3000.00	0.57	20.76	0.56	1.07
3800.00	1.34	9.18	0.41	4.79
4000.00	1.71	7.51	0.09	5.95







P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine Provides ACTUAL Data Instantly at minicipouits.com

For detailed performance specs