RF Transformer

TC1-1-43X+

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 damage may occur if any of	these limits are exceeded

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



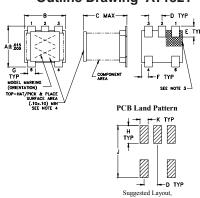
CASE STYLE: AT1521 PRICE: \$1.99 ea. QTY (20) \$0.99 ea. QTY (100)

+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 AT1521



- on Finish: Infipitate over incover page. lentifier shall be located in the cross-hatched area shown, on bottom view by be either a molded or marked feature.

Tolerance to be within ±.002

Outline Dimensions (inch)

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

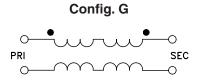
Electrical Specifications (T_{AMB}=25°C)

Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*		UNBAI	ASE LANCE eg.) /p. 2 dB bandwidth	AMPLITUDE UNBALANCE (dB) Typ. 1 dB 2 dB	
		MHz	MHz	Dariuwiutii	Dariuwiuui	bandwidth	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