

Surface Mount RFTransformer

50Ω

350 to 1500 MHz

TC1-15



CASE STYLE: AT224
PRICE: \$1.29 ea. QTY (100)

Maximum Ratings

Operating Temperature	-40°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
NOTUSED	2

Features

- wideband, 350 to 1500 MHz
- balanced transmission line
- leadless surface mount
- good return loss
- aqueous washable

Applications

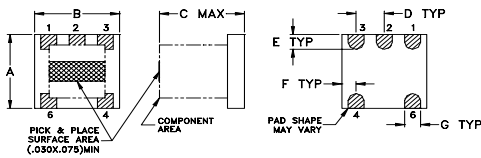
- PCS
- cellular
- impedance matching
- balanced amplifier
- baluns

Transformer Electrical Specifications

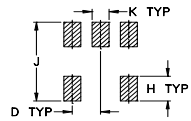
MODEL NO.	Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*		
			3 dB MHz	2 dB MHz	1 dB MHz
TC1-15	1	350-1500	—	350-1500	800-1500

* Insertion Loss is referenced to mid-band loss, 0.35 dB typ.

Outline Drawing AT224



PCB Land Pattern



Suggested Layout,
Tolerance to be within ±.002

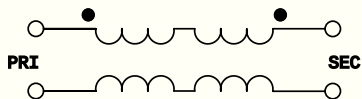
Outline Dimensions (inch/mm)

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)
350.00	0.46	8.47
360.00	0.56	8.38
470.00	0.71	7.92
580.00	0.86	7.58
690.00	0.59	8.03
800.00	0.60	8.62
975.00	0.48	11.81
1150.00	0.38	19.36
1325.00	0.43	29.22
1500.00	0.50	30.48

Config. G



TC1-15
INSERTION LOSS

