

Surface Mount RF Transformer

TCL1-11+

50Ω 600 to 1100 MHz

Maximum Ratings

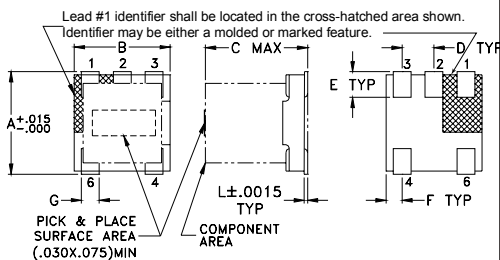
Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25 W
DC Current	30 mA

Permanent damage may occur if any of these limits are exceeded.

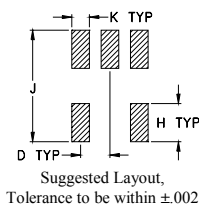
Pin Connections

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

Outline Drawing AT224-1



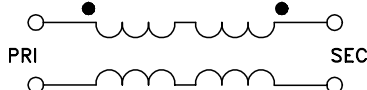
PCB Land Pattern



Outline Dimensions (inch)

A	B	C	D	E	F
.150	.150	.160	.050	.040	.025
3.81	3.81	4.06	1.27	1.02	0.64
G	H	J	K	L	wt
.028	.065	.190	.030	.007	grams
0.71	1.65	4.83	0.76	0.18	0.15

Config. G



Notes

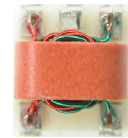
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Features

- wideband, 600 to 1100 MHz
- balanced transmission line
- excellent amplitude unbalance, 0.6 dB typ.
- excellent phase unbalance, 8 deg typ.
- plastic base with leads
- aqueous washable

Applications

- cellular
- baluns
- impedance matching



CASE STYLE: AT224-1

+RoHS Compliant

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

Reel Size	Devices/Reel
7"	20, 50, 100, 200, 500
13"	1000, 2000

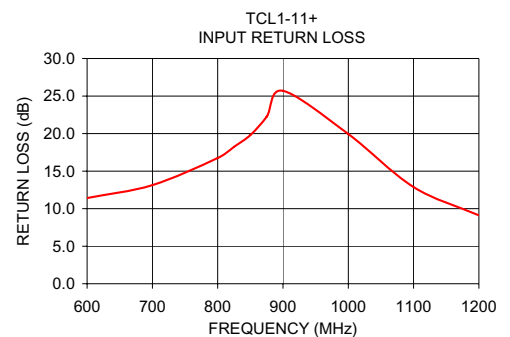
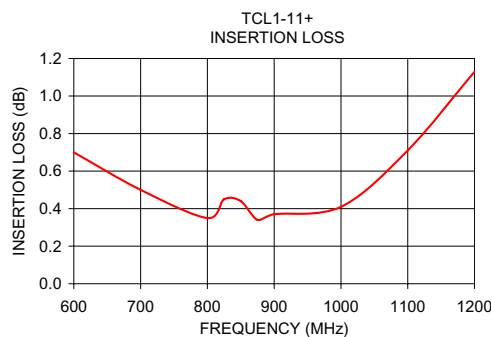
Transformer Electrical Specifications

MODEL NO.	Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*	
			2 dB MHz	1 dB MHz
TCL1-11+	1	600-1100	600-1100	700-1000

* Insertion Loss is referenced to mid-band loss, 0.4 dB typ.

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
600.00	0.70	11.42
700.00	0.50	13.14
800.00	0.35	16.75
825.00	0.45	18.23
850.00	0.44	19.80
875.00	0.34	22.25
900.00	0.37	25.70
1000.00	0.41	19.94
1100.00	0.71	12.88
1200.00	1.13	9.11



Mini-Circuits®

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