Surface Mount **RF** Transformer

50Q 800 to 1900 MHz

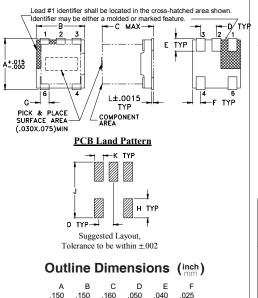
Maximum Ratings

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 ecour 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



F	E	D	C	в	A
.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	.007	.030	.190	.065	.028
0.15	0.18	0.76	4.83	1.65	0.71

Config. G

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Ω

SEC

Features

- wideband, 800 to 1900 MHz
- balanced transmission line
- plastic base with leads
- aqueous washable

Applications

- cellular
- PCN
- GPS • baluns
- impedance matching



TCL1-19+

CASE STYLE: AT224-1

+RoHS Compliant

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

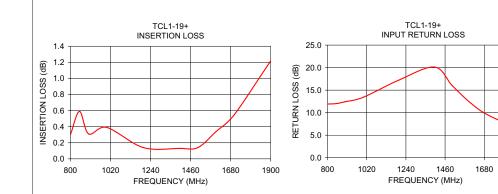
~	and Reel
Reel Size	Available Tape and Reel at no extra cost
7"	20, 50, 100, 200, 500
1	20, 00, 100, 200, 000

	13"	1000, 2000			
Transformer Electrical Specifications					

NO. RATIO (MHz)		
	3 dB MHz	1 dB MHz
TCL1-19+ 1 800-1900	800-1900	800-1400

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	
800.00	0.30	11.91	
850.00	0.59	12.02	
900.00	0.31	12.44	
1000.00	0.39	13.40	
1200.00	0.14	17.22	
1400.00	0.13	20.13	
1500.00	0.14	16.01	
1600.00	0.34	12.26	
1700.00	0.55	9.49	
1900.00	1.22	5.94	



Notes

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PRI

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 the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits website at www.minicircuits.com/MCLStore/terms.

REV. B M151107 TCL1-19+ IG/TD/CP 151008

1900



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