RF Transformer

ADT1.5-122+

50O 20 to 1200 MHz

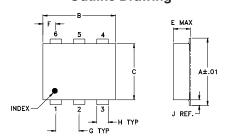
Maximum Ratings

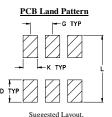
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.5W
DC Current	30mA
Permanent damage may occur if any	of these limits are exceeded

Pin Connections

PRIMARY DOT, 50Ω unbalanced					
PRIMARY	1 & 2	connect to	GND		
SECONDARY DOT, 75Ω balanced					
SECONDARY, 75Ω balanced					
NOT USED			5		

Outline Drawing



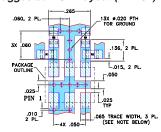


Tolerance to be within ±.002

	F	E	D	C	B	A
	.055	. 112	.100	. 220	.310	.272
	1.40	2.84	2.54	5.59	7.87	6.91
wt grams			.300	.065	J .026	H .030

Outline Dimensions (inch)

Demo Board MCL P/N: TB-375 Suggested PCB Layout (PL-257)



Features

- excellent return loss, 19 dB typ. in 1 dB bandwidth
- good amplitude unbalance, .25 dB typ. and
- phase unbalance, 1.0 deg. typ in 1dB bandwidth
- good insertrion loss flatness from 50 MHz to 850 MHz
- aqueous washable
- protected under US patent 6,133,525

Applications

- impedance matching
- balanced amplifier
- cable TV

Generic photo used for illustration purposes only

CASE STYLE: CD542

+RoHS Compliant

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

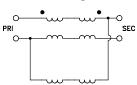


Transformer Electrical Specifications

RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		PHASE UNBALANCE (Deg.) Typ.		AMPLITUDE UNBALANCE (dB) Typ.		
		3 dB MHz	2 dB MHz	1 dB MHz	1 dB bandwidth	2 dB bandwidth	1 dB bandwidth	2 dB bandwidth
1.5	20-1200	_	20-1200	50-1000	1.0	1.2	.25	.35

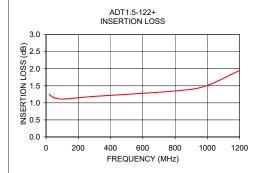
^{*} Insertion Loss is referenced to mid-band loss, 1 dB typ.

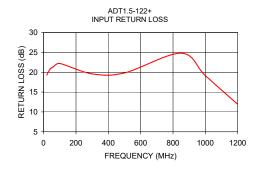
Config. K



Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
20.00	1.25	19.29	0.01	0.70
40.00	1.17	20.85	0.11	0.53
50.00	1.15	21.10	0.11	0.21
60.00	1.14	21.36	0.07	0.03
100.00	1.11	22.20	0.03	1.13
300.00	1.19	19.59	0.01	1.23
500.00	1.25	19.83	0.21	2.15
850.00	1.37	24.80	0.56	0.69
1000.00	1.51	19.14	0.76	1.45
1200.00	1.95	11.92	0.95	5.56





Notes
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 this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms/sp

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Audio Transformers / Signal Transformers category:

Click to view products by Mini-Circuits manufacturer:

Other Similar products are found below:

CX2041NLT MGPWT-00449-P PE-64961 H1302FNLT H5008FNL H5012FNL H5020FNLT H5077NLT H5084FNLT

B78476A9558A003 1812WBT2-4 1879479-1 HX2260FNL HX5014FNL EX2024FNL FL1066 T1137NLT T3012NL PE-65812FNL PE-65848FNLT H1174FNL H1302FNL H5015FNL H5019EFNL H5062FNLT CX2047LNL MGPWT-00059-P MGPWT-00266-P MGPWT-00278-P MGPWT-00431-P TTC-100 TTC-143-H TTC-5032-1 BX1194WNLT HX1234NLT HX5008FNLT HX5019FNL HX5084NL 3-1879385-5 TX1263NLT 4-1879391-0 T1142NL HX6101FNL HX5084FNL HX1148NL HX5020FNLT HX5014FNLT T1124NL

1879732-1 2-1879391-5