

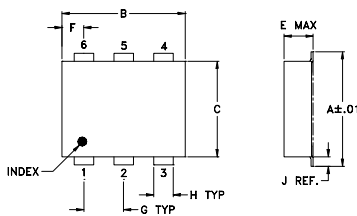
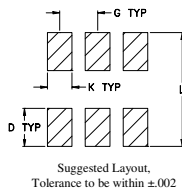
CASE STYLE: CD542

Maximum Ratings

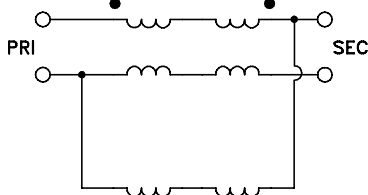
Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.5W
DC Current	30mA
Permanent damage may occur if any of these limits are exceeded.	

Pin Connections

PRIMARY DOT	1
PRIMARY	3
SECONDARY DOT	6
SECONDARY	4
NOT USED	2,5

Outline Drawing**PCB Land Pattern**Suggested Layout,
Tolerance to be within ±.002**Outline Dimensions (inch)**

A	B	C	D	E	F	G
.272	.310	.220	.100	.112	.055	.100
6.91	7.87	5.59	2.54	2.84	1.40	2.54
H	J	K	L	wt		
.030	.026	.065	.300	grams		
0.76	0.66	1.65	7.62	0.20		

Config. K**Features**

- wideband, 10 to 1500 MHz
- balanced transmission line
- excellent amplitude & phase unbalance
- aqueous washable
- protected by US Patent 6,133,525

Applications

- impedance matching
- balanced amplifier
- cellular
- GPS

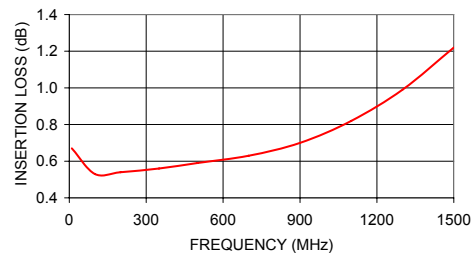
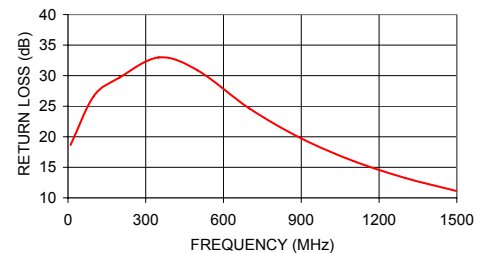
Transformer Electrical Specifications

Ω RATIO	FREQUENCY (MHz)	*INSERTION LOSS over frequency range (MHz)			PHASE UNBALANCE (Deg.) Typ.		AMPLITUDE UNBALANCE (dB) Typ.	
		3 dB	2 dB	1 dB	over 1 dB Freq.	over 2 dB Freq.	over 1 dB Freq.	over 2 dB Freq.
1	10-1500	—	10-1500	30-1000	3	3	0.15	0.3

* Insertion Loss is referenced to mid-band loss, 0.5 dB typ.

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
10.00	0.67	18.66	0.10	0.28
100.00	0.53	26.67	0.09	0.36
200.00	0.54	29.71	0.07	0.89
350.00	0.56	32.98	0.04	1.55
500.00	0.59	30.88	0.00	1.99
700.00	0.63	24.64	0.09	2.37
900.00	0.70	19.73	0.20	2.28
1100.00	0.82	16.05	0.34	1.72
1300.00	0.99	13.27	0.45	0.90
1500.00	1.22	11.11	0.58	0.33

ADTL1-15-75+
INSERTION LOSSADTL1-15-75+
INPUT RETURN LOSS**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.jsp