Surface Mount **RF Transformer**

500 0.15 to 400 MHz

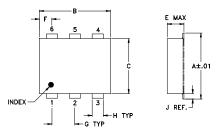
Maximum Ratings

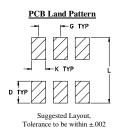
Operating Temperature	-20°C to 85°C			
Storage Temperature	-55°C to 100°C			
RF Power	0.25W			
DC Current	30mA			
Permanent damage may occur if any of these limits are exceeded.				

Pin Connections

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

Outline Drawing

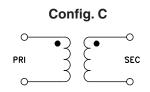




Outline Dimensions (inch)

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 .030 0.76	J .026 0.66	K .065 1.65	L .300 7.62			wt grams 0.20

Demo Board MCL P/N: TB-430



Features

- good return loss, 22 dB in 1 dB bandwidth
- excellent amplitude unbalance, 0.1 dB typ. and phase unbalance, 2 deg. typ. in 1dB bandwidth • aqueous washable
- protected under US patent 6,133,525

Applications

- impedance matching
- baluns

ADT1-1+ ADT1-1



CASE STYLE: CD542 PRICE: \$2.95 ea. QTY (10-49)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

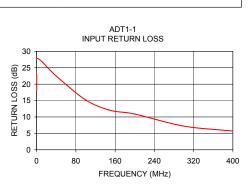
	Transformer Electrical Specifications								
RAT		FREQUENCY (MHz)	INSERTION LOSS*		PHASE UNBALANCE (Deg.) Typ.		AMPLITUDE UNBALANCE (dB) Typ.		
			3 dB MHz	2 dB MHz	1 dB MHz	1 dB bandwidth	2 dB bandwidth	1 dB bandwidth	2 dB bandwidth
1		0.15-400	0.15-400	0.2-200	0.3-100	2	5	0.1	0.5

Transformer Electrical Specifications

* Insertion Loss is referenced to mid-band loss, 0.3 dB typ.

Typical Performance Data INPUT INSERTION FREQUENCY AMPLITUDE PHASE (MHz) LOSS R. LOSS UNBALANCE UNBALANCE (dB) (dB) (dB) (Deg.) 0 15 0.58 18 04 0.01 0.06 0.20 0.51 19.90 0.01 0.02 0.30 0.44 22.30 0.02 0.00 1.00 0.30 27.82 0.00 0.08 40.00 0.31 22.47 0.04 1.44 100.00 0.52 15.19 0.22 3.60 150.00 0.64 12.04 0.53 5.83 200.00 1.08 10.90 0.99 7 98 300.00 1.58 7.21 2.21 14.28 400.00 1.82 5.71 4.06 24.39





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For detailed performance specs

ISO 9001 ISO 14001 AS 9100 CERTIFIED P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine 2012 Provides ACTUAL Data Instantly at minicipality.com IF/RF MICROWAVE COMPONENTS

REV. C M112648 ADT1-1 ED-6761/1 HY/TD/CP/AM 071101

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established tests performance criteria and measurement instructions. 3. The parts covered by this specification sheet are subject to Mini-Circuit's and terms and conditions (collective), "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 performance data www.minicircuits.com/MCLStore/terms.jsp.