RF Transformer

ADT2-1T-1P+

8 to 600 MHz

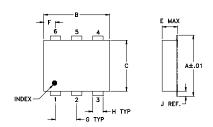
Maximum Ratings

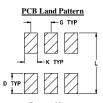
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	1W_
DC Current	30mA
Permanent damage may occur if any of t	hese limits are exceeded.

Pin Connections

PRIMARY DOT	3
PRIMARY	1
SECONDARY DOT	4
SECONDARY	6
SECONARY CT	5
NOT USED	2

Outline Drawing





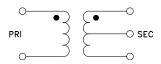
Tolerance to be within ±.002

Outline Dimensions (inch)

G	F	Е	D	С	В	Α
.100	.055	.112	.100	.220	.310	.272
2.54	1.40	2.84	2.54	5.59	7.87	6.91
wt			L	K	J	Н
grams			.300	.065	.026	.030
0.20			7.62	1.65	0.66	0.76

Demo Board MCL P/N: TB-430

Config. A



Features

- excellent return loss, 15 dB typ.
- excellent amplitude unbalance, 0.1 dB typ.
- and phase unbalance, 1 deg. typ. • high RF power up to 1 watt
- aqueous washable
- protected under US patent 6,133,525

Applications

- impedance matching



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

Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INS 3 dB MHz	ERTION LC 2 dB MHz	DSS* 1 dB MHz	UNBAI (De	ASE LANCE eg.) /p. 2 dB bandwidth	(d	ANCE
2	8-600	8-600	10-400	13-300	1	1	0.2	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.)	
8.00	0.74	14.43	0.00	0.06	
9.50	0.72	15.42	0.01	0.06	
15.50	0.65	16.83	0.00	0.03	
58.75	0.54	18.72	0.01	0.14	
100.00	0.56	17.66	0.03	0.00	
200.00	0.79	14.80	0.13	0.11	
300.00	1.02	12.34	0.33	0.51	
400.00	1.05	10.45	0.66	1.24	
500.00	1.09	9.00	1.10	2.48	
600.00	1.13	7.78	1.78	4.22	





- 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

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