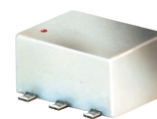


Surface Mount RF Transformer

50Ω 0.25 to 105 MHz

ADT16-6+
ADT16-6



CASE STYLE: CD636
PRICE: \$4.95 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.

Maximum Ratings

Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.5W
DC Current	30mA

Pin Connections

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

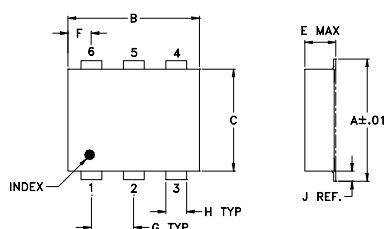
Features

- excellent amplitude unbalance, 0.1 dB typ. and phase unbalance, 3 deg. typ. in 1 dB bandwidth
- aqueous washable
- protected under US patent 6,133,525

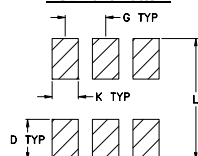
Applications

- impedance matching
- balanced amplifier

Outline Drawing



PCB Land Pattern



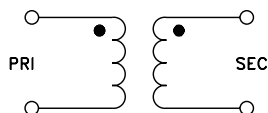
Suggested Layout,
Tolerance to be within ±.002

Outline Dimensions (inch)

A	B	C	D	E	F	G
.272	.310	.220	.100	.162	.055	.100
6.91	7.87	5.59	2.54	4.11	1.40	2.54
H	J	K	L			
.030	.026	.065	.300			
0.76	0.66	1.65	7.62			
						wt
						grams
						0.25

Demo Board MCL P/N: TB-430

Config. C



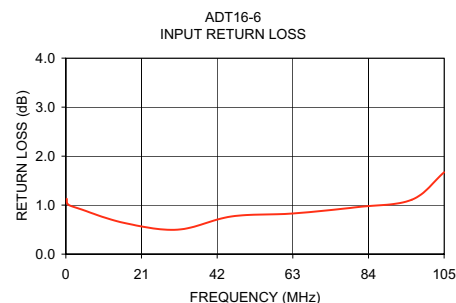
Transformer Electrical Specifications

Ω 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
16	0.25-105	0.25-105	0.45-75	1-40	2	5	0.1	0.2

* 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.)
0.17	1.13	12.27	0.01	0.03
0.26	1.01	14.51	0.01	0.03
0.50	0.92	16.52	0.01	0.06
1.60	0.64	19.73	0.01	0.18
20.00	0.50	18.79	0.02	2.32
50.00	0.77	12.36	0.12	4.94
55.00	0.83	11.64	0.13	5.27
65.00	0.96	10.38	0.15	5.75
75.00	1.11	9.32	0.15	6.13
106.00	1.67	6.87	0.01	6.64



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ISO 9001 ISO 14001 CERTIFIED

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