

Surface Mount RF Transformer

0.015 to 100 MHz



ADTT1-6

Maximum Ratings

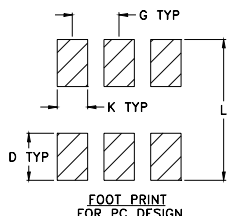
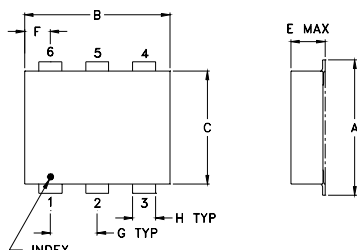
Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	250 mW

Pin Configuration (kr)

primary dot	3
primary	1
primary ct	2
secondary dot	4
secondary	6
secondary ct	5

EVALUATION BOARD P/N: TB-42

Outline Drawing

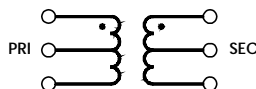


Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H
.280	.310	.220	.100	.206	.055	.100	.030
7.11	7.87	5.58	2.54	5.23	1.40	2.54	0.76

J	K	L	wt.
—	.065	.300	grams
—	1.65	7.62	.45

config. B



Features

- excellent amplitude unbalance, .05 dB typ. in 1 dB bandwidth
- excellent return loss, 17 dB typ. in 1 dB bandwidth

Applications

- impedance matching
- balanced amplifier



CASE STYLE: CD637
PRICE: \$ 4.95 ea.
QTY. (10-49)

Electrical Specifications

Ω RATIO	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	0.015-100	0.015-100	0.02-50	0.06-30	1	2	0.05	0.1

* Insertion Loss is referenced to mid-band loss, 0.2 dB typ.

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
0.01	0.38	14.28	0.00	0.06
0.02	0.22	18.11	0.01	0.09
0.04	0.13	24.32	0.01	0.04
0.07	0.11	27.99	0.01	0.00
0.10	0.11	31.41	0.01	0.02
0.46	0.10	39.93	0.00	0.01
20.60	0.28	18.99	0.02	0.08
30.40	0.37	16.05	0.05	0.13
50.00	0.59	12.28	0.14	0.32
110.00	1.59	6.70	0.77	1.63

