

Surface Mount RF Transformer

0.3 to 225 MHz



ADT1.5-2

Maximum Ratings

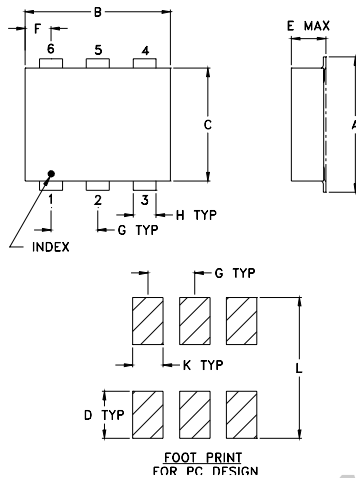
Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	250 mW

Pin Configuration (kq)

primary dot	3
primary	1
secondary dot	4
secondary	6
not used	2,5

EVALUATION BOARD P/N: TB-42

Outline Drawing

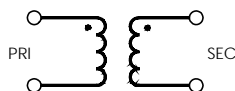


Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H
.280	.310	.220	.100	.162	.055	.100	.030
7.11	7.87	5.58	2.54	4.11	1.40	2.54	0.76

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

config. C



Features

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

Applications

- impedance matching
- balanced amplifier



CASE STYLE: CD636
PRICE: \$3.95 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
1.5	0.3-225	0.3-225	0.5-140	0.7-80	4	—	0.2	—

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

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
0.20	0.19	16.82	0.02	0.44
0.43	0.16	23.34	0.02	0.20
0.55	0.16	25.06	0.01	0.14
0.67	0.16	26.34	0.01	0.08
0.78	0.16	27.28	0.00	0.08
80.00	0.39	14.37	0.28	4.76
137.00	0.81	10.39	0.80	8.48
156.00	0.96	9.48	1.03	9.83
200.00	1.40	7.86	1.67	13.14
225.00	1.66	7.17	2.12	15.44

ADT1.5-1

