

Surface Mount RF Transformer

0.3 to 500 MHz, 50Ω



ADT4-5WT

Maximum Ratings

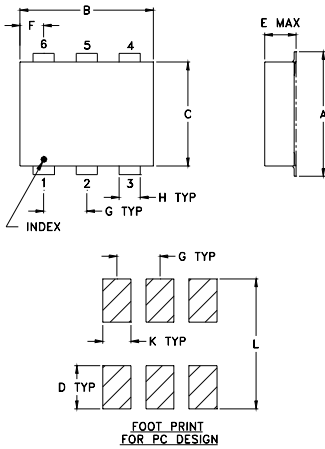
Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	.25 Watt

Pin Configuration (ks)

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

EVALUATION BOARD P/N: TB-42

Outline Drawing

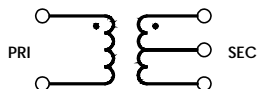


Outline Dimensions (inch/mm)

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. A



Features

- excellent return loss, 26 dB typ.
- excellent amplitude unbalance, 0.1 dB typ. and phase unbalance, 1 deg. typ. in 1 dB bandwidth
- high RF power up to .25 watt



CASE STYLE: CD637
PRICE: \$ 4.50 ea.
QTY. (10-49)

Applications

- impedance matching
- baluns

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
4	0.3-500	0.3-500	0.5-400	2-250	1	3	0.1	0.3

* Insertion Loss is referenced to mid-band loss, 0.3 dB typ.
Bandwidth limited by unbalance.

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
0.30	0.65	15.81	0.03	0.22
1.00	0.47	21.44	0.01	0.10
5.00	0.31	26.37	0.00	0.09
10.00	0.33	26.40	0.01	0.07
50.00	0.45	23.30	0.01	0.11
100.00	0.51	20.29	0.05	0.33
200.00	0.64	15.84	0.24	0.08
300.00	0.84	12.99	0.48	1.45
400.00	1.10	10.99	0.67	6.46
500.00	1.40	9.56	0.79	20.54

