

# Surface Mount RF Transformer

0.06 to 300 MHz



## ADT4-6T



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

### Maximum Ratings

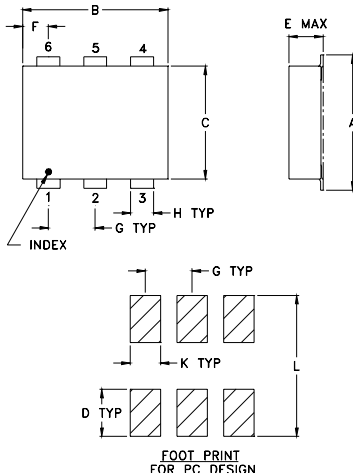
Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	250 mW

### 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

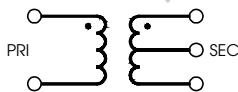
### Outline Drawing



### 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 amplitude unbalance, 0.1 dB typ. in 1 dB bandwidth
- excellent return loss, 24 dB typ. in 1 dB bandwidth

### Applications

- impedance matching
- balanced amplifiers

### Electrical Specifications

$\Omega$ 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	.06-300	.06-300	.08-250	0.15-200	1	2	0.1	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.)
0.06	0.60	13.95	0.00	0.11
0.10	0.42	18.01	0.01	0.04
0.15	0.39	21.16	0.01	0.01
1.00	0.30	31.91	0.01	0.04
10.80	0.28	43.47	0.02	0.00
50.00	0.34	37.69	0.04	0.01
100.00	0.41	30.15	0.12	0.08
212.50	0.57	19.48	0.44	1.79
250.00	0.68	16.85	0.56	3.11
300.00	0.94	13.83	0.70	6.55

