

## Features

- excellent amplitude unbalance, 0.1 dB typ. and phase unbalance, 1 deg. typ. in 1dB bandwidth
- excellent return loss, 18 dB typ. in 1dB bandwidth
- aqueous washable

## Applications

- impedance matching
- balanced amplifier

## HT-ADT1-6T+



50Ω 0.03 to 125 MHz

### Transformer Electrical Specifications

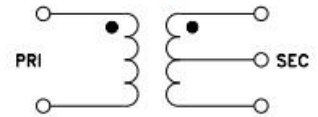
Ω RATIO	FREQUENCY (MHz)	INSERTION* LOSS (dB)			PHASE UNBALANCE (Deg.) Typ.		AMPLITUDE UNBALANCE (dB) Typ.	
		3dB	2dB	1dB	1dB	2dB	1dB	2dB
1	0.03-125	0.03-125	0.04-75	0.05-50	1	1	0.1	0.2

\* Insertion Loss is referenced to mid-band loss, 0.1 dB typ.

### Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
0.03	0.17	16.36	0.01	0.06
0.05	0.08	20.69	0.00	0.04
0.10	0.06	26.79	0.00	0.01
0.50	0.07	38.06	0.00	0.02
1.00	0.06	39.09	0.00	0.03
5.00	0.07	32.08	0.00	0.10
10.00	0.11	27.04	0.01	0.19
50.00	0.42	14.63	0.13	0.89
100.00	1.16	9.25	0.52	1.93
125.00	1.58	7.66	0.83	2.58

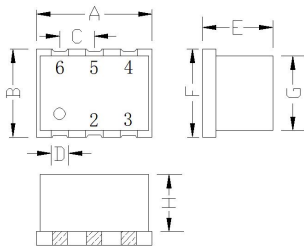
### Config. A



### Maximum Ratings

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

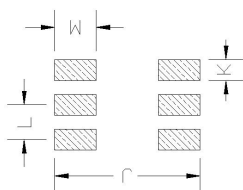
### Outline Drawing



### Pin Connections

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

### PCB Land Pattern



Suggested Layout, Tolerance to be within ±0.2

### Outline Dimensions: Unit ( mm )

A	8.70	J	10.60
B	6.60	K	1.50
C	2.54	G	5.50
D	1.30	H	4.20
E	5.30	L	2.54
F	2.54	M	3.05
WT	0.5g		

