

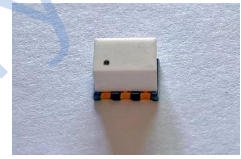
## Features

- excellent return loss, 17 dB in 1 dB bandwidth
- excellent amplitude unbalance, 0.05 dB typ. in 1 dB bandwidth

## Applications

- impedance matching
- balanced amplifier

## HT-ADTT1-6+



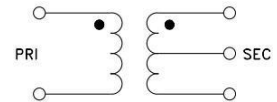
50Ω 0.015 to 100 MHz

## Transformer Electrical Specifications

Ω RATIO	FREQUENCY (MHz)	INSERTION* LOSS (dB)			PHASE UNBALANCE AT (Deg.) Typ.		AMPLITUDE UNBALANCE (dB) Typ.	
		3dB	2dB	1dB	1dB	2dB	1dB	2dB
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.

## Config. B



## Typical Performance Data

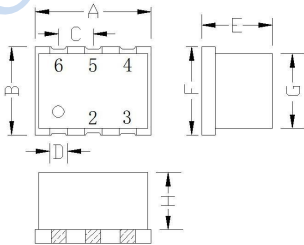
(TEST CONDITIONS: INPUT POWER = 0dBm @ Temperature = +25°C)

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

## Maximum Ratings

Operating Temperature	-20°C to 85°C
Average Temperature	50°C to 100°C
RF Power Input*	0.25W
DC Current	30mA
Permanent damage may occur if any of these limits are exceeded.	

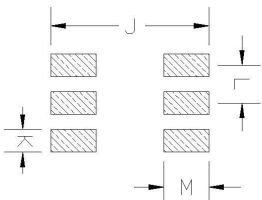
## Outline Drawing



## Pin Connections

PRIMARY DOT	3
PRIMARY	1
PRIMARY CT	2
SECONDARY DOT	4
SECONDARY	6
SECONDARY CT	5

## PCB Land Pattern



Suggested Layout,  
Tolerance to be within ±.002

## Outline Dimensions: Unit (mm)

A	8.70	J	8.00
B	6.50	K	1.50
C	2.54	G	5.50
D	1.30	H	4.30
E	5.40	L	2.54
F	6.50	M	2.00
WT	0.4g		

