

## Features

- Good return loss, 22 dB in 1 dB bandwidth
- Aqueous washable

## Applications

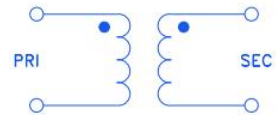
- Impedance matching
- Baluns

## HT-ADT1-1+



50Ω 0.15 to 400 MHz

## CONFIGURATION C



## ELECTRICAL SPECIFICATIONS AT 25°C

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Units
Impedance Ratio		1			
Frequency Range		0.15	-	400	MHz
Insertion Loss*	0.15-400	-	3	-	dB
	0.2-200	-	2	-	
	0.3-100	-	1	-	
Amplitude Unbalance	0.2-200	-	0.5	-	dB
	0.3-100	-	0.1	-	
Phase Unbalance	0.2-200	-	5	-	Degree
	0.3-100	-	2	-	

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

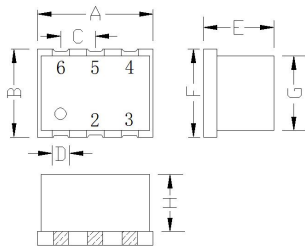
## Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Amplitude Unbalance (dB)	Phase Unbalance (deg)
0.15	0.58	18.04	0.01	0.06
0.20	0.51	19.90	0.01	0.02
0.30	0.44	22.30	0.02	0.00
1.00	0.30	27.82	0.00	0.08
40.00	0.31	22.48	0.04	1.44
100.00	0.52	15.19	0.22	3.60
150.00	0.64	12.04	0.53	5.83
200.00	1.08	10.90	0.99	7.98
300.00	1.58	7.22	2.21	14.28
400.00	1.82	5.72	4.06	24.39

## Maximum Ratings

Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	0.25W
DC Current	30mA
* Permanent damage may occur if any of these limits are exceeded.	

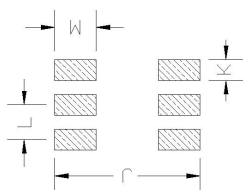
## Outline Drawing



## Pin Connections

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

## PCB Land Pattern



Suggested Layout,  
Tolerance to be within ±0.2

## Outline Dimensions: Unit ( mm )

A	8.70	J	8.00
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	6.50	M	2.00
WT	0.5g		

