

## Features

- good return loss
- excellent amplitude unbalance
- aqueous washable

## Applications

- impedance matching
- baluns

## Transformer Electrical Specifications

Ω RATIO (Secondary /Primary)	FREQUENCY (MHz)	INSERTION*			PHASE UNBALANCE (Deg.) Typ.		AMPLITUDE UNBALANCE (dB) Typ.	
		3dB	2dB	1dB	1dB	2dB	1dB	2dB
9	1-250	-	1-250	2-150	1	1	0.05	0.2

\* Insertion Loss is referenced to mid-band loss, 0.8 dB typ

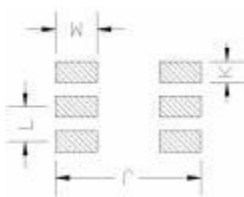
## Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
1.00	1.20	13.07	0.03	0.05
2.00	0.95	14.28	0.02	0.05
4.00	0.84	14.97	0.02	0.02
10.00	0.81	15.21	0.02	0.07
40.00	0.87	14.68	0.02	0.27
100.00	0.96	12.96	0.02	0.79
120.00	0.95	12.27	0.02	0.93
150.00	1.00	11.19	0.01	1.19
200.00	1.32	9.52	0.00	1.71
250.00	1.26	8.05	0.03	2.32

## Outline Drawing



## PCB Land Pattern



Suggested Layout,  
Tolerance to be within ±0.2

## Pin Connections

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

## Outline Dimensions Unit ( mm )

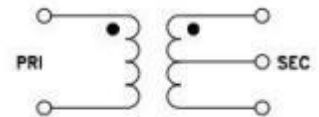
A	8.70	J	10.60
B	6.60	K	1.50
C	2.54	G	5.50
D	1.30	H	4.20
E	5.30	L	2.54
F	2.54	M	3.05
WT	0.5g		

## HT-ADT9-1T+



50Ω 1 to 250 MHz

## Config. A



## Maximum Ratings

Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	0.25W
DC Current	30mA

