

## HT-ADT8-1T+

### Features

- excellent amplitude unbalance, 0.05 dB typ. in 1 dB bandwidth
- excellent return loss, 20 dB typ. in 1 dB bandwidth
- aqueous washable

### Applications

- impedance matching
- balanced amplifiers

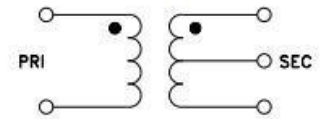


50Ω 0.1 to 130 MHz

Transformer Electrical Specifications								
Ω RATIO (Secondary /Primary)	FREQUENCY (MHz)	INSERTION* LOSS (dB)			PHASE UNBALANCE AT (Deg.) Typ.		AMPLITUDE UNBALANCE (dB) Typ.	
		3dB	2dB	1dB	1dB	2dB	1dB	2dB
8	0.1-130	0.1-130	0.15-110	0.2-75	1	2	0.5	0.1

\* Insertion Loss is referenced to mid-band loss, 0.4 dB typ

### Config. A



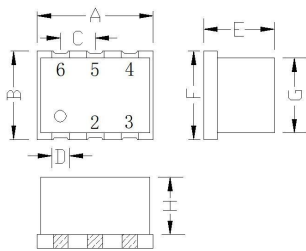
### Maximum Ratings

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

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.)
0.09	0.47	15.05	0.04	0.00
0.24	0.40	23.55	0.04	0.00
0.57	0.40	29.96	0.04	0.03
1.00	0.37	32.82	0.04	0.04
35.50	0.47	31.20	0.04	0.91
75.00	0.72	16.98	0.01	2.34
100.00	1.08	11.97	0.04	3.69
115.00	1.40	9.71	0.09	4.78
125.00	1.66	8.44	0.14	5.67
130.00	1.80	7.87	0.17	6.17

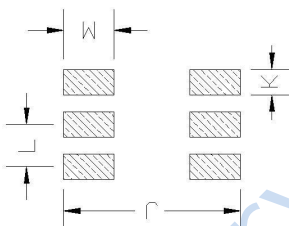


### Outline Drawing



Pin Connections	
PRIMARY DOT (Unbalanced Port)	3
PRIMARY (GND)	1
SECONDARY DOT (Balanced)	4
SECONDARY (Balanced)	6
SECONDARY CT (Balanced)	5
NOT USED (GND Externally)	2

### PCB Land Pattern



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	3g		

