

Features

- excellent amplitude unbalance, 0.1 dB typ. and phase unbalance, 1 deg. typ. in 1 dB bandwidth
- aqueous washable
- 75Ω 0.4 to 800 MHz

Applications

- impedance matching
- balanced amplifier

HT-ADT1-1WT+

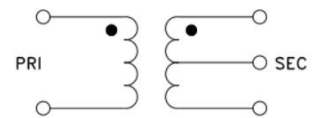


Transformer Electrical Specifications

Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*	PHASE UNBALANCE (Deg.) Typ.	AMPLITUDE UNBALANCE (dB) Typ.
1	0.4-800	0.4-800 1dB	1	0.5

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

Config. A



Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
0.30	0.48	15.11	0.15	0.25
1.00	0.37	15.38	0.07	0.36
5.00	0.22	16.29	0.03	0.41
10.00	0.38	17.54	0.00	0.40
25.00	0.38	17.73	0.02	0.37
50.00	0.38	17.91	0.03	0.49
200.00	0.38	19.38	0.03	1.48
400.00	0.44	20.64	0.26	2.02
600.00	0.78	17.20	0.79	1.45
800.00	1.21	10.75	1.72	0.40

Maximum Ratings

Operating Temperature -20°C to 85°C

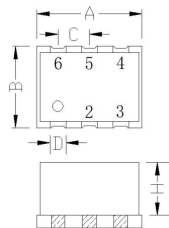
Storage Temperature -55°C to 100°C

RF Power 0.5W

DC Current 30mA

Permanent damage may occur if any of these limits are exceeded.

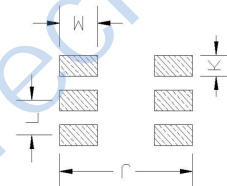
Outline Drawing



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	0.5g		

PCB Land Pattern



Suggested Layout,
Tolerance to be within ±0.2

Pin Connections

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