

Features

- excellent return loss, 15 dB typ.
- excellent amplitude unbalance, 0.1 dB typ. and phase unbalance, 1 deg. typ.
- high RF power up to 1watt
- aqueous washable

Applications

- impedance matching
- baluns

HT-ADT2-1T-1P+



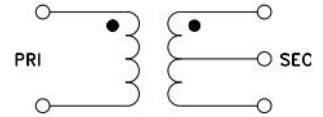
50Ω 8 to 600 MHz

Transformer Electrical Specifications

Ω RATIO (Secondary /Primary)	FREQUENCY (MHz)	INSERTION* LOSS (dB)			PHASE UNBALANCE (Deg.) Typ.		AMPLITUDE UNBALANCE (dB) Typ.	
		3dB	2dB	1dB	1dB	2dB	1dB	2dB
2	8-600	8-600	10-400	13-300	1	1	0.2	0.3

* Insertion Loss is referenced to mid-band loss, 0.5 dB typ

Config. A



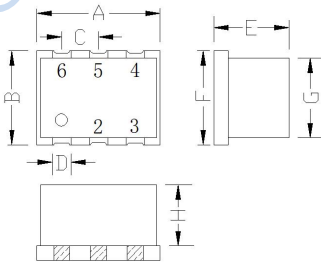
Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
8.00	0.74	14.43	0.00	0.06
9.50	0.72	15.42	0.01	0.06
15.50	0.65	16.83	0.00	0.03
58.75	0.54	18.72	0.01	0.14
100.00	0.56	17.66	0.03	0.00
200.00	0.79	14.80	0.13	0.11
300.00	1.02	12.34	0.33	0.51
400.00	1.05	10.45	0.66	1.24
500.00	1.09	9.00	1.10	2.48
600.00	1.13	7.78	1.78	4.22

Maximum Ratings

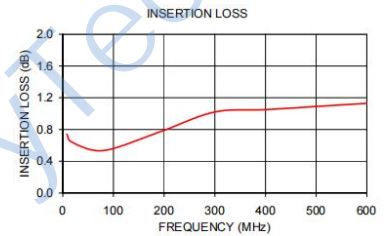
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	1W
DC Current	30mA

Outline Drawing

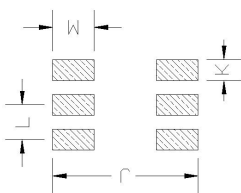


Pin Connections

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



PCB Land Pattern



Suggested Layout,
Tolerance to be within ±0.05

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	6.54	M	2.00
WT	0.5g		

