

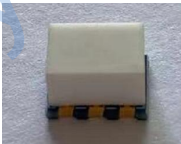
Features

- excellent amplitude unbalance, 0.1 dB typ. in 1 dB bandwidth
- excellent return loss.
- aqueous washable

Applications

- impedance matching
- balanced amplifiers

HT-ADT4-6T+



50Ω 0.06 to 300 MHz

Transformer Electrical Specifications

Ω RATIO (Secondary /Primary)	FREQUEN CY (MHz)	INSERTION* LOSS (dB)			PHASE UNBALANCE AT (Deg.) Typ.		AMPLITUDE UNBALANCE (dB) Typ.	
		3dB	2dB	1dB	1dB	2dB	1dB	2dB
4	0.06-300	0.06-300	0.08-250	0.15-200	1	2	0.1	0.2

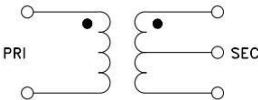
* Insertion Loss is referenced to mid-band loss, 0.3 dB typ.

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.)
0.06	0.60	13.95	0.00	0.11
0.10	0.42	18.01	0.01	0.04
0.15	0.39	21.16	0.01	0.01
1.00	0.30	31.91	0.01	0.04
10.80	0.28	43.47	0.02	0.00
50.00	0.34	37.69	0.04	0.01
100.00	0.41	30.15	0.12	0.08
212.50	0.57	19.48	0.44	1.79
250.00	0.68	16.85	0.56	3.11
300.00	0.94	13.83	0.70	6.55

Config. A

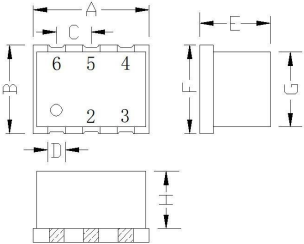


Maximum Ratings

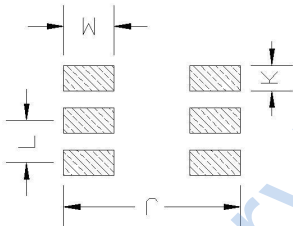
Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	0.25W
DC Current	30mA

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

Outline Drawing



PCB Land Pattern



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	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	0.4g		

