HenryTech

RF Transformer

HT-ADT4-6+

Features
- excellent return loss, 21 dB typ. in 1 dB bandwidth
- aqueous washable

Applications
- impedance matching

50Ω 0.07 to 250 MHz

Transformer Electrical Specifications

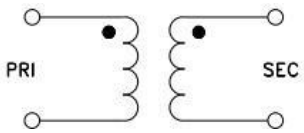
Ω RATIO (Secondary /Primary)	FREQUENCY (MHz)	INSERTION* LOSS (dB) 3dB	2dB	1dB	PHASE UNBALANCE AT (Deg.) Typ. 1dB	2dB	AMPLITUDE UNBALANCE (dB) Typ. 1dB	2dB
4	0.07-250	0.07-250	0.1-220	0.15-150	-	-	0.2	0.5

* 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.)
0.07	0.56	14.57	0.00	0.03
0.18	0.31	22.07	0.00	0.07
30.40	0.22	38.49	0.04	5.15
120.10	0.34	24.27	0.05	18.17
15000	0.38	21.27	0.05	21.37
180.00	0.43	18.80	0.25	24.37
200.00	0.50	17.30	0.43	26.06
220.00	0.58	15.94	0.69	27.57
230.00	0.64	15.29	0.84	28.33
254.00	0.80	13.85	1.27	30.05

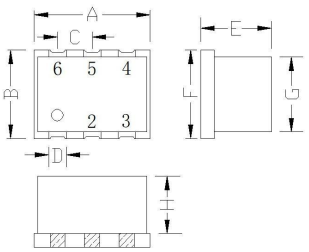
Config. C



Maximum Ratings

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

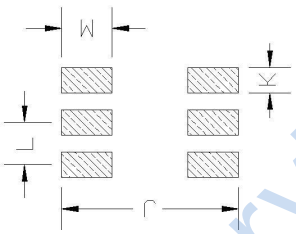
Outline Drawing



Pin Connections

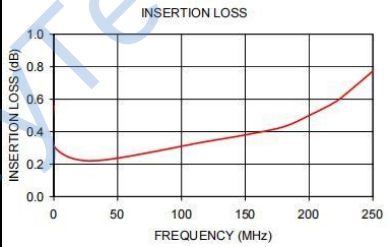
PRIMARY DOT (Unbalanced Port)	3
PRIMARY (GND)	1
SECONDARY DOT (Balanced)	4
SECONDARY (Balanced)	6
NOT USED (GND Extremally)	2,5

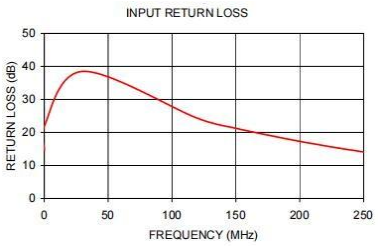
PCB Land Pattern



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		





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