

Features

- excellent amplitude unbalance, 0.1 dB typ. and phase unbalance, 1 deg. typ. in 1dB bandwidth
- excellent return loss, 18 dB typ. in 1dB bandwidth
- aqueous washable

Applications

- impedance matching
- balanced amplifier

Transformer Electrical Specifications

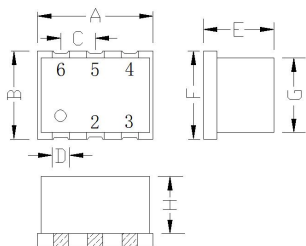
Ω RATIO	FREQUENCY (MHz)	INSERTION* LOSS (dB)			PHASE UNBALANCE (Deg.) Typ.		AMPLITUDE UNBALANCE (dB) Typ.	
		3dB	2dB	1dB	1dB	2dB	1dB	2dB
1	0.03-125	0.03-125	0.04-75	0.05-50	1	1	0.1	0.2

* Insertion Loss is referenced to mid-band loss, 0.1 dB typ.

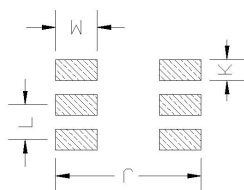
Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
0.03	0.17	16.36	0.01	0.06
0.05	0.08	20.69	0.00	0.04
0.10	0.06	26.79	0.00	0.01
0.50	0.07	38.06	0.00	0.02
1.00	0.06	39.09	0.00	0.03
5.00	0.07	32.08	0.00	0.10
10.00	0.11	27.04	0.01	0.19
50.00	0.42	14.63	0.13	0.89
100.00	1.16	9.25	0.52	1.93
125.00	1.58	7.66	0.83	2.58

Outline Drawing



PCB Land Pattern



Suggested Layout,
Tolerance to be within ± 0.2

Pin Connections

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

Outline Dimensions: Unit (mm)

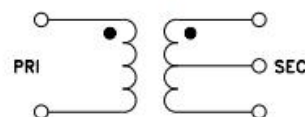
A	8.70	J	10.60
B	6.60	K	1.50
C	2.54	G	5.50
D	1.30	H	4.20
E	5.30	L	2.54
F	2.54	M	3.05
WT	0.5g		

JY-ADT1-6T+



50 Ω 0.03 to 125 MHz

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

