

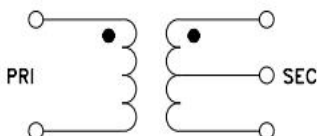
Features

- excellent return loss, 25 dB typ.
- excellent amplitude unbalance, 0.2 dB typ
- phase unbalance, 1 deg. typ. in 1 dB bandwidth
- high RF power up to 1 watt
- aqueous washable

Applications

- impedance matching
- baluns

Config. A



JY-ADT4-1T+



50Ω 9 to 625 MHz

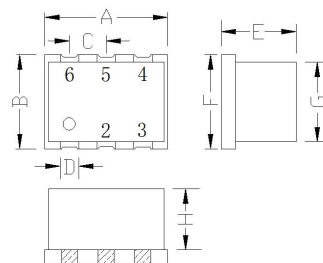
Maximum Ratings

Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	1W
DC Current	30mA
Permanent damage may occur if any of these limits are exceeded.	

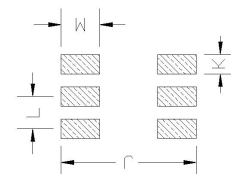
Pin Connections

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

Outline Drawing



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		

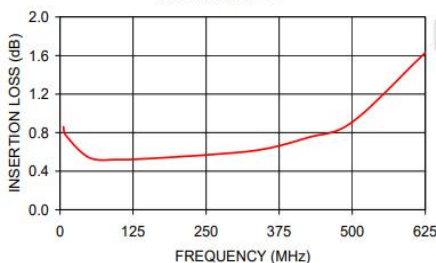
Transformer Electrical Specifications

Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*			PHASE UNBALANCE (Deg.) Typ.		AMPLITUDE UNBALANCE (dB) Typ.	
		3dB	2dB	1dB	1 dB	2 dB	1 dB	2 dB
4	9-625	9-625	10-550	14-500	1	3	0.2	0.3
* Insertion Loss is referenced to mid-band loss, 0.55 dB typ								

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
6	0.86	12.61	0.00	0.01
10	0.77	16.33	0.00	0.04
50	0.54	24.74	0.00	0.09
100	0.52	26.69	0.02	0.29
150	0.53	25.75	0.04	0.37
275	0.58	20.40	0.16	1.00
350	0.63	17.49	0.25	1.59
425	0.75	14.94	0.33	2.45
500	1.91	12.72	0.44	3.89
625	1.63	9.71	0.54	7.70

INSERTION LOSS



INPUT RETURN LOSS

