RF Transformer

JY-ADT1.5-1+

Features
- Excellent return loss, 17 dB typ. in 1 dB bandwidth
- Aqueous washable

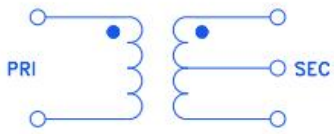
Applications
- Impedance matching
- Balance amplifier

50Ω 0.5 to 650 MHz

Transformer Electrical Specifications

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Units
Impedance Ratio (Secondary / Primary)			1.5		
Frequency Range		0.5	-	650	MHz
Insertion Loss*	0.5-650 0.8-500 1-300	- - -	3 2 1	- - -	dB
* Insertion Loss is referenced to mid-band loss, 0.8 dB typ					

CONFIGURATION A

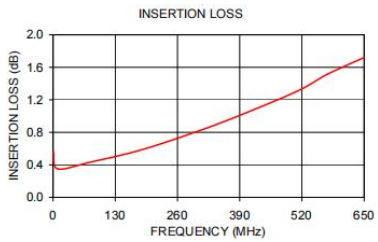


Typical Performance Data

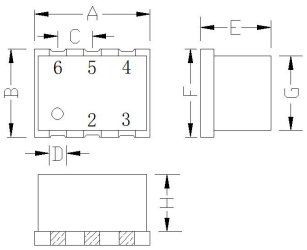
Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)
0.50	0.56	15.26
0.90	0.54	18.76
10.00	0.35	25.10
76.00	0.43	22.55
188.00	0.59	16.96
320.00	0.85	13.13
420.00	1.08	11.31
515.00	1.32	10.12
575.00	1.52	9.56
650.00	1.72	9.09

Maximum Ratings

Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	1W
DC Current	30mA



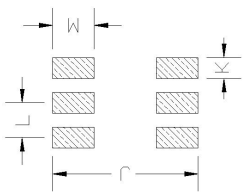
Outline Drawing



Pin Connections

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

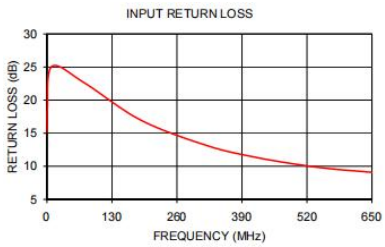
PCB Land Pattern



Suggested Layout,
Tolerance to be within ±0.2

Outline Dimensions：Unit (mm)

A	8.70	J	8.00
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	6.50	M	2.00
WT	0.5g		



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