



Features

- Good return loss, 22 dB in 1 dB bandwidth
- Aqueous washable

Applications

- Impedance matching
- Baluns

ELECTRICAL SPECIFICATIONS AT 25°C

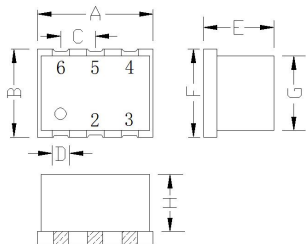
Parameter	Frequency (MHz)	Min.	Typ.	Max.	Units
Impedance Ratio		1			
Frequency Range		0.15	-	400	MHz
Insertion Loss*	0.15-400 0.2-200 0.3-100	- - -	3 2 1	- - -	dB
Amplitude Unbalance	0.2-200 0.3-100	- -	0.5 0.1	- -	dB
Phase Unbalance	0.2-200 0.3-100	- -	5 2	- -	Degree

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

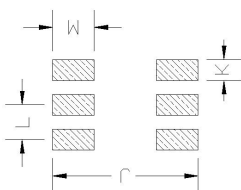
Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Amplitude Unbalance (dB)	Phase Unbalance (deg)
0.15	0.58	18.04	0.01	0.06
0.20	0.51	19.90	0.01	0.02
0.30	0.44	22.30	0.02	0.00
1.00	0.30	27.82	0.00	0.08
40.00	0.31	22.48	0.04	1.44
100.00	0.52	15.19	0.22	3.60
150.00	0.64	12.04	0.53	5.83
200.00	1.08	10.90	0.99	7.98
300.00	1.58	7.22	2.21	14.28
400.00	1.82	5.72	4.06	24.39

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
NOT USED	2, 5

Outline Dimensions: Unit (mm)

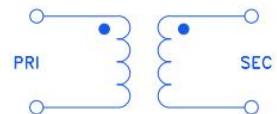
A	8.70	J	8.00
B	6.60	K	1.50
C	2.54	G	5.50
D	1.30	H	4.20
E	5.30	L	2.54
F	6.50	M	2.00
WT	0.5g		

JY-ADT1-1+



50Ω 0.15 to 400 MHz

CONFIGURATION C



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.

