

Features

- excellent return loss, 17 dB in 1 dB bandwidth
- excellent amplitude unbalance, 0.05 dB typ. in 1 dB bandwidth

Applications

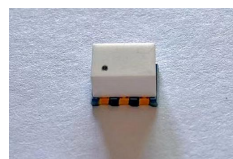
- impedance matching
- balanced amplifier

Transformer Electrical Specifications

Ω RATIO	FREQUENCY (MHz)	INSERTION* LOSS (dB)			PHASE UNBALANCE AT (Deg.) Typ.		AMPLITUDE UNBALANCE (dB) Typ.	
		3dB	2dB	1dB	1dB	2dB	1dB	2dB
1	0.015-100	0.015-100	0.02-50	0.06-30	1	2	0.05	0.1

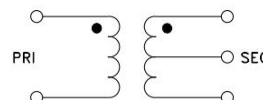
* Insertion Loss is referenced to mid-band loss, 0.2 dB typ.

JY-ADTT1-6+



50Ω 0.015 to 100 MHz

Config. B



Typical Performance Data

(TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = +25°C)

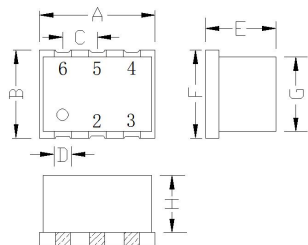
FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
0.01	0.38	14.28	0.00	0.06
0.02	0.22	18.11	0.01	0.09
0.04	0.13	24.32	0.01	0.04
0.07	0.11	27.99	0.01	0.00
0.10	0.11	31.41	0.01	0.02
0.46	0.10	39.93	0.00	0.01
20.60	0.28	18.99	0.02	0.08
30.40	0.37	16.05	0.05	0.13
50.00	0.59	12.28	0.14	0.32
110.00	1.59	6.70	0.77	1.63

Maximum Ratings

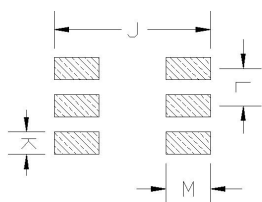
Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	0.25W
DC Current	30mA

Permanent damage may occur if any of these limits are exceeded.

Outline Drawing



PCB Land Pattern



Suggested Layout,
Tolerance to be within ±.002

Pin Connections

PRIMARY DOT	3
PRIMARY	1
PRIMARY CT	2
SECONDARY DOT	4
SECONDARY	6
SECONDARY CT	5

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	6.50	M	2.00
WT	0.4g		

