

Features

- good return loss
- excellent amplitude unbalance
- aqueous washable

Applications

- impedance matching
- baluns

JY-ADT9-1T+



50Ω 1 to 250 MHz

Transformer Electrical Specifications

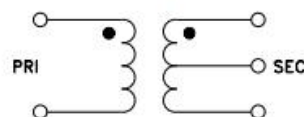
Ω RATIO (Secondary /Primary)	FREQUENCY (MHz)	INSERTION* LOSS (dB)			PHASE UNBALANCE (Deg.) Typ.		AMPLITUDE UNBALANCE (dB) Typ.	
		3dB	2dB	1dB	1dB	2dB	1dB	2dB
9	1-250	-	1-250	2-150	1	1	0.05	0.2

* Insertion Loss is referenced to mid-band loss, 0.8 dB typ

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
1.00	1.20	13.07	0.03	0.05
2.00	0.95	14.28	0.02	0.05
4.00	0.84	14.97	0.02	0.02
10.00	0.81	15.21	0.02	0.07
40.00	0.87	14.68	0.02	0.27
100.00	0.96	12.96	0.02	0.79
120.00	0.95	12.27	0.02	0.93
150.00	1.00	11.19	0.01	1.19
200.00	1.32	9.52	0.00	1.71
250.00	1.26	8.05	0.03	2.32

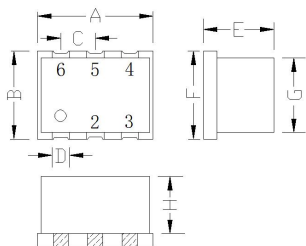
Config. A



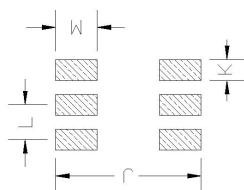
Maximum Ratings

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

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	8.00
B	6.60	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	0.5g		

