Jieying Communication Technology (Shenzhen) Co., Ltd.
http://www.jytxjs.cn

RF Transformer

JY-ADT2-1T+

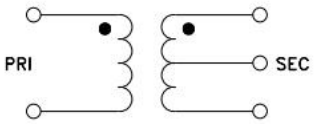
Features

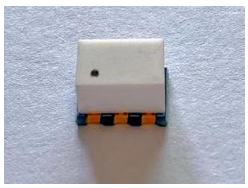
- excellent return loss, 18 dB typ. in 1 dB bandwidth
- excellent amplitude unbalance, 0.2 dB typ. and phase unbalance, 1 deg. typ. in 1dB bandwidth
- aqueous washable

Applications

- impedance matching
- balanced amplifier

Config. A





50Ω 0.4 to 450 MHz

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
2	0.4-450	0.4-450	0.6-400	1-200	1	1	0.2	0.3

* Insertion Loss is referenced to mid-band loss, 0.4 dB typ.

Maximum Ratings

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

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

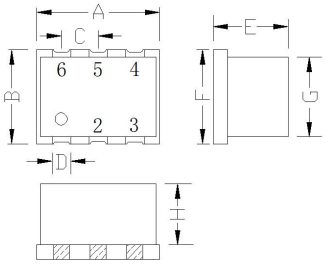
Pin Connections

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

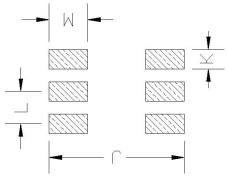
Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
0.4	0.81	15.88	0.15	0.26
1.0	0.58	20.61	0.20	0.31
5.0	0.32	28.42	0.23	0.34
10.0	0.30	30.23	0.25	0.23
25.0	0.34	28.47	0.26	0.17
50.0	0.40	24.24	0.26	0.13
100.0	0.48	18.91	0.22	0.22
200.0	0.69	13.40	0.08	0.14
400.0	1.25	8.18	0.63	1.99
450.0	1.15	7.38	0.92	2.76

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	3g		

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