

Surface Mount RF Transformer

JT-1975+ JT-1975

50Ω 0.04 to 80 MHz

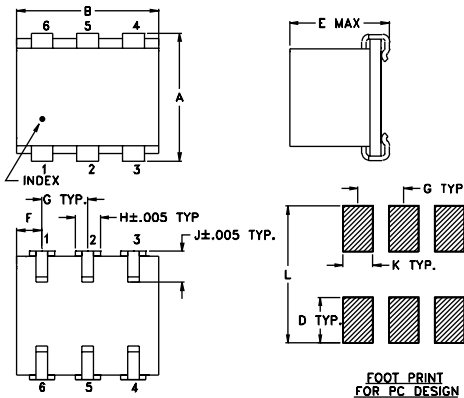
Maximum Ratings

Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25W

Pin Connections

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

Outline Drawing



Outline Dimensions (inch/mm)

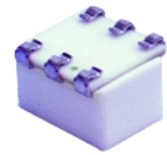
A	B	C	D	E	F	G
.280	.310	--	.100	.225	.055	.100
7.11	7.87	--	2.54	5.72	1.40	2.54
H	J	K	L			wt
.047	.065	.065	.300			grams
1.19	1.65	1.65	7.62			0.45

Features

- excellent return loss, 20 dB typ. in 1 dB bandwidth
- excellent amplitude unbalance, 0.05 dB typ. and phase unbalance, 1.0 deg. typ. in 1 dB bandwidth

Applications

- impedance matching
- balanced amplifiers



CASE STYLE: BH292
PRICE: \$2.49 ea. QTY (10-49)

+ RoHS compliant in accordance with EU Directive (2002/95/

See www.sei.com web site for RoHS Compliance methodologies and qualifications.

Transformer Electrical Specifications

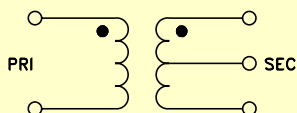
Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*			PHASE UNBALANCE (Deg.) Typ.		AMPLITUDE UNBALANCE (dB) Typ.	
		3 dB MHz	2 dB MHz	1 dB MHz	1 dB bandwidth	2 dB bandwidth	1 dB bandwidth	2 dB bandwidth
2.5	0.04-80	0.04-80	0.05-60	0.1-30	1	2	.05	0.2

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

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
0.03	0.33	14.60	0.01	0.13
0.05	0.22	18.75	0.01	0.09
0.07	0.19	21.58	0.01	0.06
0.10	0.18	24.55	0.01	0.05
1.00	0.16	34.88	0.01	0.08
10.00	0.22	23.43	0.00	0.42
16.75	0.29	19.49	0.01	0.66
20.00	0.33	18.11	0.01	0.78
60.00	1.07	9.71	0.14	2.45
80.00	1.65	7.72	0.26	3.54

Config. A



JT-1975
INSERTION LOSS

