

Surface Mount RF Transformer

50Ω 50 to 1000 MHz

JTX-4-10T+ JTX-4-10T



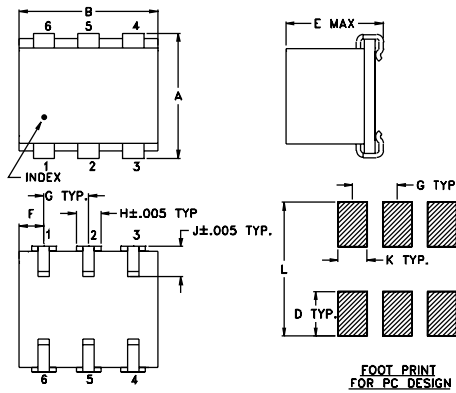
Maximum Ratings

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

Pin Connections

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

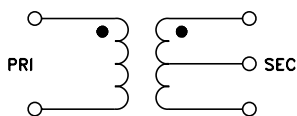
Outline Drawing



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	

Config. A



Features

- excellent return loss, 22 dB typ.
- excellent amplitude unbalance, 0.2 dB typ. and phase unbalance, 2 deg. typ. in 1 dB bandwidth

Applications

- impedance matching
- balanced amplifiers

CASE STYLE: BH292

PRICE: \$6.95 ea. QTY (10-49)

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

The +Suffix identifies RoHS Compliance. See our 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
4	50-1000	—	—	50-1000	2	—	0.2	—

* Insertion Loss is referenced to mid-band loss, 1.4 dB typ.

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
50.00	1.42	20.84	0.06	0.35
130.00	1.38	22.75	0.00	1.77
210.00	1.40	20.52	0.09	2.44
300.00	1.43	18.71	0.16	2.76
425.00	1.48	17.75	0.22	2.82
550.00	1.52	18.42	0.26	2.61
675.00	1.54	20.24	0.25	2.16
800.00	1.57	24.59	0.18	1.69
925.00	1.65	32.84	0.03	1.23
1000.00	1.73	24.64	0.22	1.10

JTX-4-10T
INSERTION LOSS

