

Surface Mount RF Transformer

75Ω 50 to 1000 MHz

JTX-2-10T+ JTX-2-10T



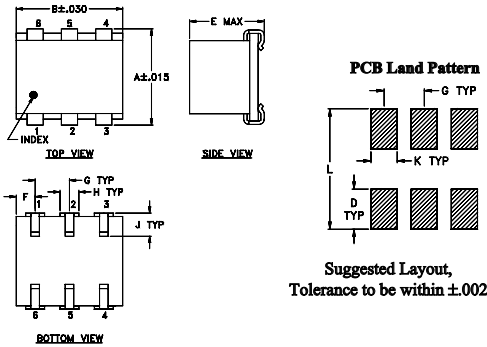
Maximum Ratings

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

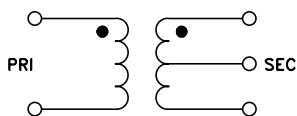
Outline Drawing



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, 26 dB typ. in 1 dB bandwidth
- excellent amplitude unbalance, 0.4 dB typ. and phase unbalance, 3 deg. typ. in 1 dB bandwidth
- excellent insertion loss flatness, ±0.25 dB

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

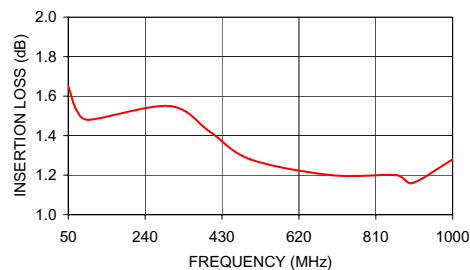
Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*			PHASE UNBALANCE (Deg.) Typ.		AMPLITUDE UNBALANCE (dB) Typ.	
		3 dB MHz	2 dB MHz	1 dB MHz	1 dB bandwidth	2 dB bandwidth	1 dB bandwidth	2 dB bandwidth
2	50-1000	—	—	50-1000	3	—	0.4	—

* Insertion Loss is referenced to mid-band loss, 1.5 dB typ.

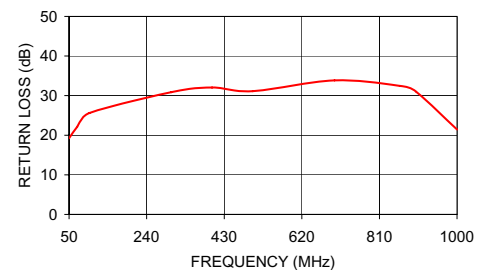
Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
50.00	1.65	19.25	0.03	0.18
70.00	1.53	22.13	0.06	0.29
100.00	1.48	25.62	0.10	0.66
300.00	1.55	30.86	0.02	2.40
400.00	1.42	32.04	0.10	2.27
500.00	1.28	31.12	0.23	2.01
700.00	1.20	33.85	0.37	0.66
860.00	1.20	32.46	0.36	0.87
900.00	1.16	30.98	0.34	1.40
1000.00	1.28	21.44	0.19	2.47

JTX-2-10T
INSERTION LOSS



JTX-2-10T
INPUT RETURN LOSS



Mini-Circuits®
ISO 9001 ISO 14001 CERTIFIED

ALL NEW
minicircuits.com

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

RF/IF MICROWAVE COMPONENTS

REV. D
M98898
JTX-2-10T
ED-4542/9
DJ/TD/CP/AM
070718