

Plug-In

# RF Transformer

75Ω

10 to 500 MHz

TO-75+



CASE STYLE: PP94

## Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power	250mW
DC Current	30mA

## Pin Connections

PRIMARY DOT	1
PRIMARY	2
SECONDARY DOT	4
SECONDARY	3

## Features

- wideband, 10 to 500 MHz
- hermetic metal case

## Applications

- balanced to unbalanced transformation
- impedance matching
- military, hi-rel application

**+RoHS Compliant**

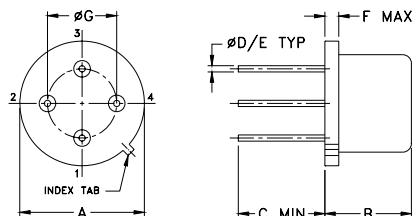
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

## Transformer Electrical Specifications

Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
1	10-500	—	10-500	40-250

\* Insertion Loss is referenced to mid-band loss, 0.5 dB typ.

## Outline Drawing



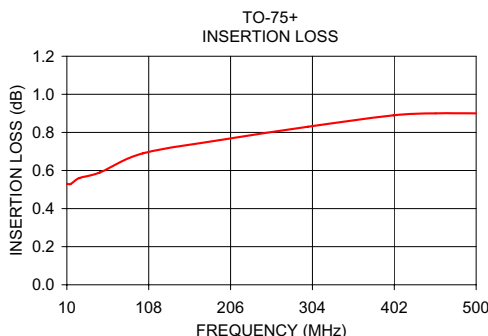
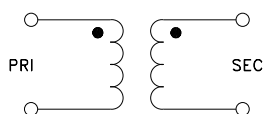
## Outline Dimensions (inch/mm)

A	B	C	D
.360	.250	.25	.016
9.14	6.35	6.35	0.41
E	F	G	wt
.020	.04	.200	grams
0.51	1.02	5.08	1.5

## Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
10.00	0.53	24.68
14.89	0.53	25.54
24.87	0.56	26.08
49.60	0.59	26.40
100.87	0.69	25.11
193.38	0.76	22.22
298.43	0.83	19.48
401.16	0.89	17.42
451.55	0.90	16.74
500.00	0.90	16.24

## Config. C



## Notes

- Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
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