

# Plug-In RF Transformer

50Ω 0.01 to 100 MHz

## TMO-2.5-6+



Generic photo used for illustration purposes only

CASE STYLE: A03

**+RoHS Compliant**

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

### Maximum Ratings

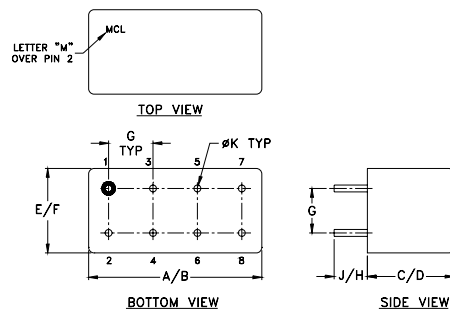
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power	250mW
DC Current	30mA

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

### Pin Connections

PRIMARY DOT	1
PRIMARY	5
SECONDARY DOT	2
SECONDARY	6
CASE GROUND	7, 8
NOT USED	3, 4

### Outline Drawing



### Outline Dimensions (inch/mm)

A	B	C	D	E	F
.480	.500	.240	.255	.210	.230
12.19	12.70	6.10	6.48	5.33	5.84
G	H	J	K	wt	
.100	.20	.14	.020	grams	
2.54	5.08	3.56	0.51	1.9	

### Features

- good return loss
- hermetic case

### Applications

- military, hi-rel requirements
- impedance matching
- balanced to unbalanced transformations

### Transformer Electrical Specifications

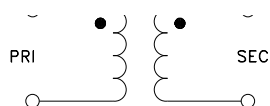
Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
2.5	0.01-100	0.01-100	0.2-50	0.5-20

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

### Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
0.01	2.29	5.62
0.03	0.61	12.84
0.06	0.28	18.83
0.15	0.21	26.07
0.30	0.20	31.31
1.01	0.17	33.88
6.25	0.20	27.27
20.13	0.36	19.19
59.63	1.14	9.98
100.00	1.55	5.13

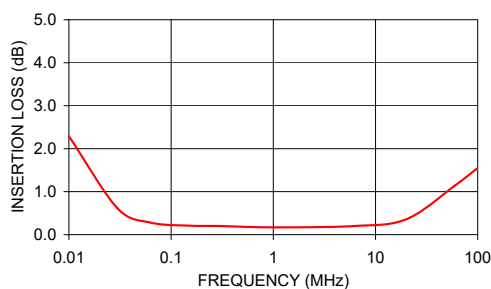
### Config. C



### 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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TMO-2.5-6+  
INSERTION LOSS



TMO-2.5-6+  
INPUT RETURN LOSS

