

Plug-In

# RF Transformer

50Ω

0.05 to 200 MHz

TMO1-1T+



CASE STYLE: A11  
PRICE: \$10.20 ea. QTY (1-9)

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

*The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.*

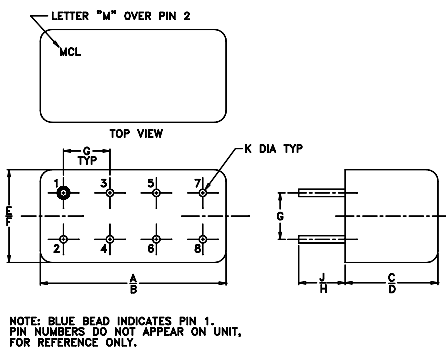
## Maximum Ratings

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

## Pin Connections

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

## Outline Drawing



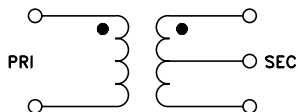
## Outline Dimensions (inch/mm)

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

## Config. A



## Features

- excellent return loss
- hermetic case

## Applications

- military, hi-rel requirements
- balanced antennas

## Transformer Electrical Specifications

Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
1	0.05-200	0.05-200	0.08-150	0.2-80

\*Insertion Loss is referenced to mid-band loss, 0.3 dB typ.

## Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
0.05	2.30	5.27
0.15	0.76	12.39
0.47	0.51	19.78
4.66	0.29	27.23
45.28	0.43	18.89
100.51	0.72	12.67
125.32	0.88	10.94
142.44	1.06	9.93
173.68	1.32	8.40
200.00	1.64	7.32

