

Plug-In

# RF Transformer

50Ω

0.05 to 250 MHz

TMO3-1T+



CASE STYLE: A03

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.*

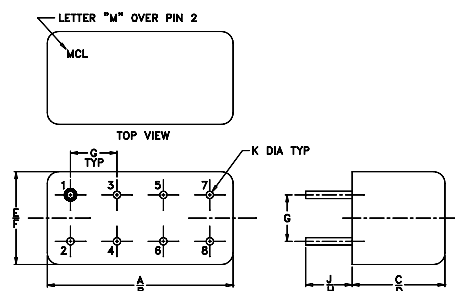
## Maximum Ratings

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



NOTE: BLUE BEAD INDICATES PIN 1.  
PIN NUMBERS DO NOT APPEAR ON UNIT,  
FOR REFERENCE ONLY.

## Outline Dimensions (inch)

A	B	C	D	E	F
.480	.500	.390	.405	.210	.230
12.19	12.70	9.91	10.29	5.33	5.84

G	H	J	K	wt
.100	.20	.14	.020	grams
2.54	5.08	3.56	0.51	2.3

## Features

- excellent insertion loss
- hermetic case

## Applications

- military, hi-rel requirements
- balanced to unbalanced transformation

## Transformer Electrical Specifications

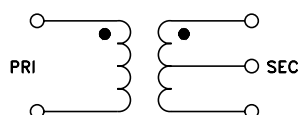
Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
3	0.05-250	0.05-250	0.1-200	0.5-70

\*Insertion Loss is referenced to mid-band loss, 0.4 dB typ.

## Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
0.05	2.12	6.80
0.20	0.81	15.48
0.47	0.71	18.20
10.03	0.43	23.28
45.28	0.50	21.93
108.53	0.70	15.96
125.32	0.76	14.37
149.29	0.85	12.26
173.68	0.89	10.40
250.00	0.98	7.10

## Config. A



TMO3-1T  
INSERTION LOSS

