

Plug-In RF Transformer

50Ω 0.2 to 350 MHz

TMO-4-1+



CASE STYLE: A11
PRICE: \$8.50 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.

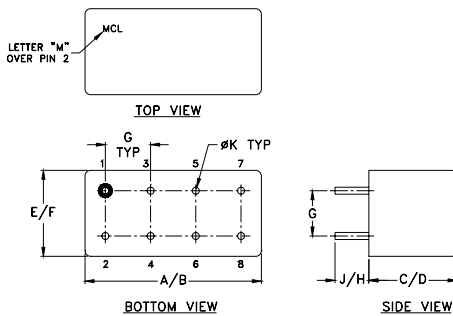
Maximum Ratings

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	

Features

- excellent return loss
- hermetic case

Applications

- military, hi-rel requirements
- impedance matching

Transformer Electrical Specifications

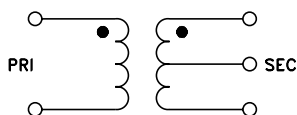
Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
4	0.2-350	0.2-350	0.35-300	2-100

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

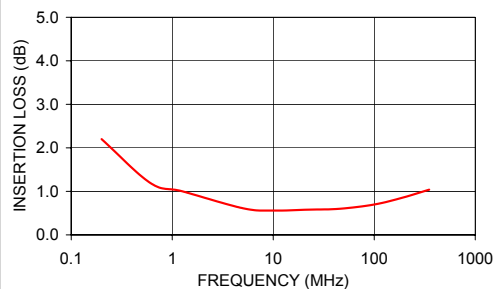
Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
0.20	2.20	7.00
0.61	1.19	13.99
1.27	1.00	16.82
5.03	0.61	22.86
10.04	0.56	24.46
22.53	0.58	22.32
45.83	0.60	17.98
100.87	0.70	11.84
193.38	0.86	6.33
350.00	1.04	2.27

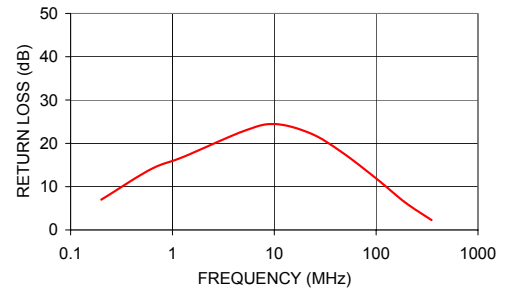
Config. A



TMO-4-1+
INSERTION LOSS



TMO-4-1+
INPUT RETURN LOSS



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. B
M108294
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