

Plug-In

RF Transformer

50Ω

1 to 800 MHz

TMO1-02+



CASE STYLE: A11
PRICE: \$11.70 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	250mW
DC Current	30mA

Pin Connections

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

Features

- wideband, 1 to 800 MHz
- good return loss
- hermetic case

Applications

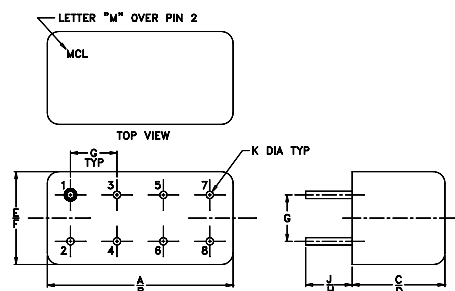
- military, hi-rel requirements
- balanced antennas
- impedance matching

Transformer Electrical Specifications

Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
1	1-800	1-800	2-150	—

*Insertion Loss is referenced to mid-band loss, 1.3 dB typ.

Outline Drawing



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

Outline Dimensions (inch)

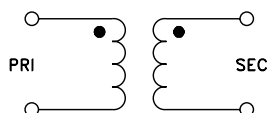
A	B	C	D	E	F
.480	.500	.240	.255	.210	.230
12.19	12.70	6.10	6.48	5.33	5.84

G	H	J	K	wt
.100	.20	.14	.020	grams
2.54	5.08	3.56	0.51	1.9

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
1.00	1.80	12.31
2.73	1.44	15.92
7.43	1.33	17.22
19.91	1.39	17.37
89.60	1.42	17.23
403.20	1.77	12.96
501.04	1.92	11.59
602.16	2.16	10.32
699.89	2.38	9.22
800.00	2.64	8.24

Config. C



TMO1-02
INSERTION LOSS

