

# Coaxial RF Transformer

## FT-1.5-1

50Ω

0.1 to 400 MHz



# METAF

Electronic Solutions – since 1993

### Maximum Ratings

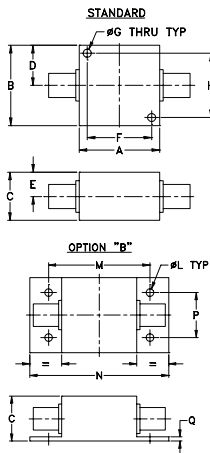
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power	250mW
DC Current	30mA

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

### Coaxial Connections

	Marking
PRIMARY	50
SECONDARY	75

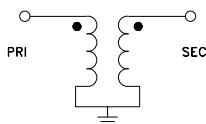
### Outline Drawing



### Outline Dimensions (inch)

A	B	C	D	E	F	G	H
1.25	1.25	.75	.63	.38	1.000	.125	1.000
31.75	31.75	19.05	16.00	9.65	25.40	3.18	25.40
J	K	L	M	N	P	Q	wt
--	--	.125	1.688	2.18	.750	.06	grams
--	--	3.18	42.88	55.37	19.05	1.52	70.0

### Config. D



### Features

- wideband, 0.1 to 400 MHz
- good return loss

### Applications

- impedance matching



CASE STYLE: H16

BNC Connectors	Model
PRIMARY FEMALE / SECONDARY FEMALE	FT-1.5-1*A16
PRIMARY FEMALE / SECONDARY MALE	FT-1.5-1*B16
PRIMARY MALE / SECONDARY FEMALE	FT-1.5-1*C16
(BRACKET (OPTION "B"))	

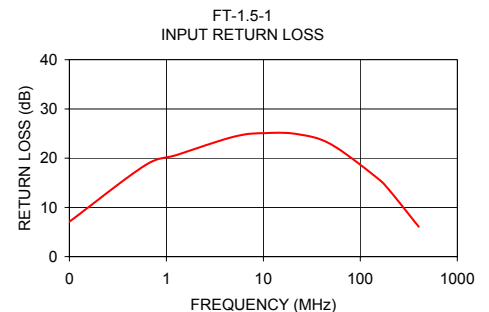
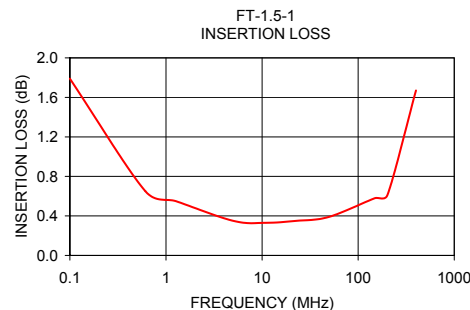
### Transformer Electrical Specifications

Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
1.5	0.1-400	0.1-400	0.5-200	1-100

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

### Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
0.10	1.79	7.10
0.61	0.65	18.61
1.27	0.55	20.63
5.03	0.35	24.38
10.86	0.33	25.10
22.53	0.35	24.87
49.60	0.39	22.83
149.65	0.58	15.96
201.16	0.61	13.38
400.00	1.67	6.07



### 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-Circuits' applicable established test performance criteria and measurement instructions.
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