

Coaxial RF Transformer

50Ω

0.1 to 400 MHz

FT-1.5-1



CASE STYLE: H16

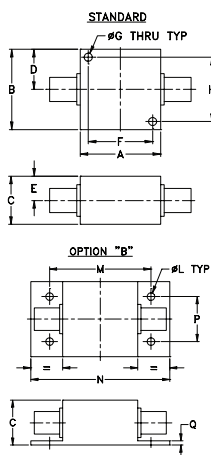
Maximum Ratings

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

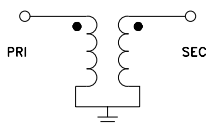
Outline Drawing



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

BNC Connectors	Model	Price	Qty.
PRIMARY FEMALE / SECONDARY FEMALE	FT-1.5-1*A16	\$40.95	(1-9)
PRIMARY FEMALE / SECONDARY MALE	FT-1.5-1*B16	\$40.95	(1-9)
PRIMARY MALE / SECONDARY FEMALE	FT-1.5-1*C16	\$40.95	(1-9)
(BRACKET (OPTION "B"))		\$5.00	(1+)

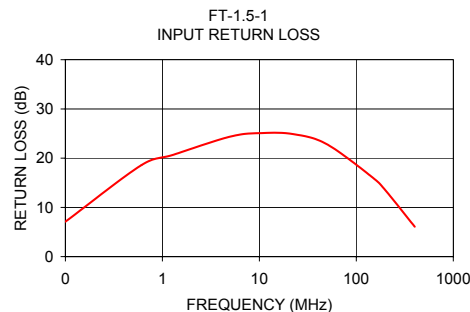
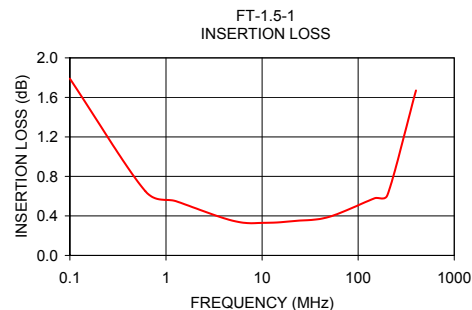
Transformer Electrical Specifications

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-Circuit's applicable established test performance criteria and measurement instructions.
- The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp



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