

Coaxial RF Transformer

75Ω 0.5 to 500 MHz

FTB-1-1-75+ FTB-1-1-75



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	BAL
SECONDARY	UNBAL

Features

- wideband, 0.5 to 500 MHz
- balanced to single-ended
- balanced port: isolated Female BNC

Applications

- DC Block

CASE STYLE: H16-1

BNC Connectors	Model	Price	Qty.
FEMALE/FEMALE	FTB-1-1-75*A15(+)	\$46.95	(1-9)
MALE/FEMALE	FTB-1-1-75*C15(+)	\$46.95	(1-9)
BRACKET (OPTION "B")		\$2.50	(1+)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

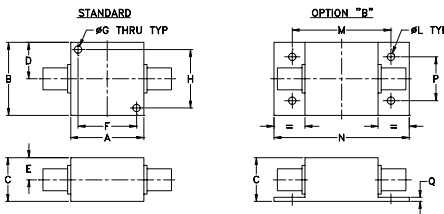
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Transformer Electrical Specifications

Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
1	0.5-500	0.5-500	5-300	10-100

* Insertion Loss is referenced to mid-band loss, 0.6 dB typ.

Outline Drawing



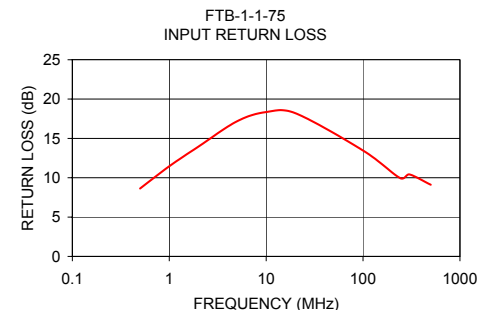
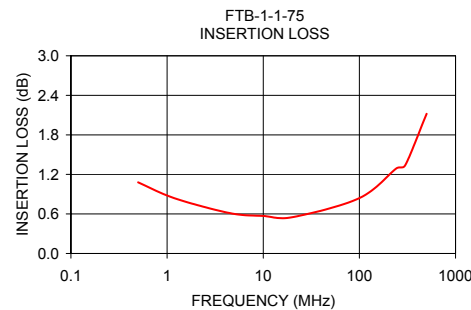
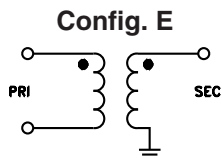
Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H
1.25	1.25	.81	.63	.41	1.000	.125	1.000
31.75	31.75	20.57	16.00	10.41	25.40	3.18	25.40

J	K	L	M	N	P	Q	wt
--	--	.125	1.688	2.19	.750	.06	grams
--	--	3.18	42.88	55.63	19.05	1.52	70.0

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
0.50	1.08	8.63
1.00	0.88	11.46
2.00	0.74	13.95
5.00	0.60	17.18
10.00	0.57	18.35
20.00	0.55	18.21
100.00	0.84	13.46
242.19	1.29	9.95
300.00	1.34	10.43
500.00	2.12	9.11



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IF/RF MICROWAVE COMPONENTS

For detailed performance specs & shopping online see web site

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet 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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