

Low Pass Filter

BLP-70-75+

75Ω DC to 60 MHz

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input	0.5W max.

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

Features

- rugged shielded case
- other standard and custom BLP models available with wide selection of fco



CASE STYLE: FF968

Connectors	Model	Price	Qty.
BNC	BLP-70-75+	\$33.95 ea.	(1-9)

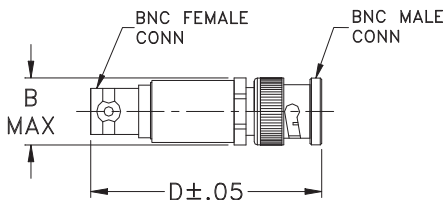
Application

- test equipment
- lab use
- video equipment

+RoHS Compliant

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

Outline Drawing



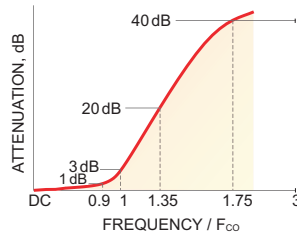
Outline Dimensions (inch/mm)

B	D	wt.
.62	2.27	grams
15.75	57.65	30.8

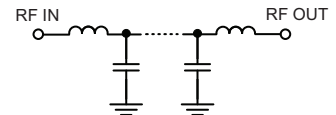
Low Pass Filter Electrical Specifications

PASSBAND (MHz)	fco, MHz Nom.	STOPBAND (MHz)		VSWR (:1)	
		(Loss > 20dB)	(Loss > 40dB)	Passband Typ.	Stopband Typ.
DC - 60	67	90 - 117	117 - 300	1.7	18

typical frequency response

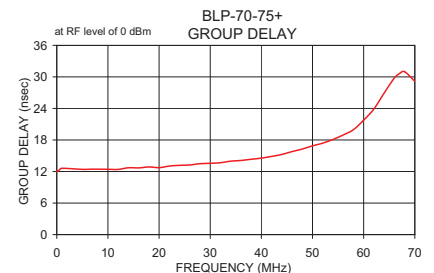
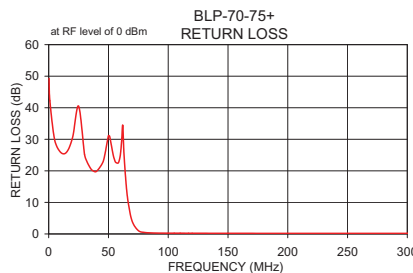
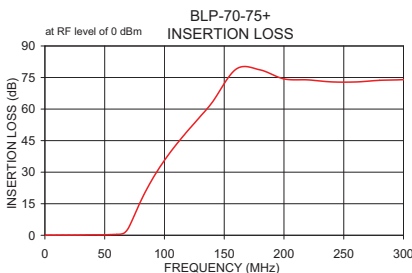


functional schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)		Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	\bar{x}	σ			
0.3	0.02	0.00	49.3	0.03	12.00
20.0	0.08	0.00	30.6	0.10	12.05
30.0	0.13	0.01	25.2	0.50	12.29
40.0	0.20	0.04	19.8	1.00	12.62
50.0	0.24	0.01	31.1	5.00	12.41
60.0	0.43	0.02	25.2	10.00	12.42
65.0	0.76	0.14	14.8	14.00	12.71
67.0	1.40	0.30	8.9	18.00	12.87
70.0	3.55	0.58	3.9	20.00	12.73
73.0	7.01	0.71	1.7	24.00	13.17
78.0	13.52	0.66	0.6	28.00	13.49
90.0	26.80	0.59	0.3	30.00	13.56
100.0	35.62	0.64	0.3	34.00	13.97
117.0	48.03	0.79	0.2	40.00	14.54
130.0	56.51	1.05	0.2	44.00	15.25
150.0	71.39	3.91	0.2	50.00	16.88
200.0	74.34	3.05	0.2	54.00	18.10
230.0	73.44	1.87	0.2	60.00	21.76
250.0	72.96	1.54	0.2	64.00	26.90
280.0	73.66	1.86	0.2	67.00	30.61
300.0	73.99	1.39	0.2	70.00	29.17



For detailed performance specs & shopping online see web site

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine Provides ACTUAL Data Instantly at minicircuits.com

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.

REV. OR
M108739
EDR-7646/1U
BLP-70-75+
URJ/RAV
121010
Page 1 of 1