Coaxial

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

Application

- test equipment
- lab use
- video equipment

Generic photo used for illustration purposes only

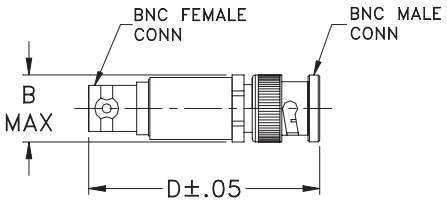
CASE STYLE: FF968

Connectors	Model
BNC	BLP-70-75+

+RoHS Compliant

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

Outline Drawing



Outline Dimensions (inch / mm)

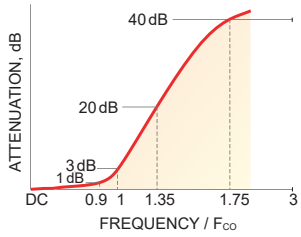
B	D	wt.
.62	**2.27**	grams
15.75	57.65	30.8

Note: Please refer to case style drawing for details

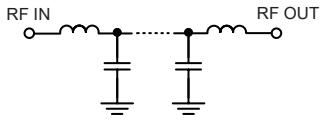
Low Pass Filter Electrical Specifications

PASSBAND (MHz) (Loss < 1dB)	fco, MHz Nom. (Loss 3dB)	STOPBAND (MHz) (Loss > 20dB)	STOPBAND (MHz) (Loss > 40dB)	VSWR (:1) Passband Typ.	VSWR (:1) Stopband Typ.
DC - 60	67	90 - 117	117 - 300	1.7	18

typical frequency response

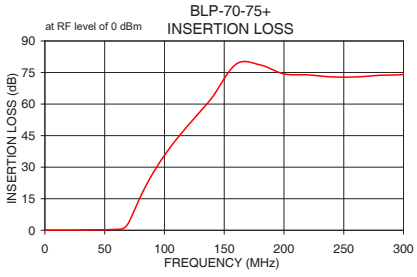


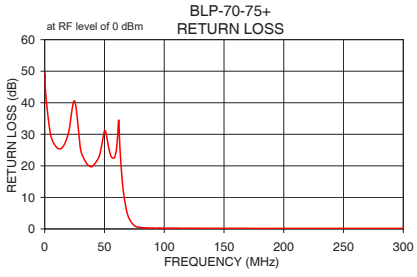
functional schematic

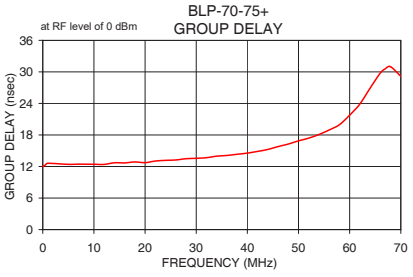


Typical Performance Data

Frequency (MHz)	Insertion Loss (dB) x̄	Insertion Loss (dB) σ	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
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







Notes

A. 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.
B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
C. 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