Coaxial

Low Pass Filter

BLP-70-75+

75Ω DC to 60 MHz

CASE STYLE: FF968

Connectors	Model
BNC	BLP-70-75+

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

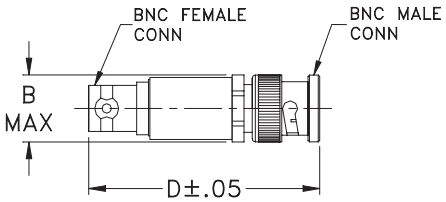
Application

- test equipment
- lab use
- video equipment

+RoHS Compliant

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

Outline Drawing



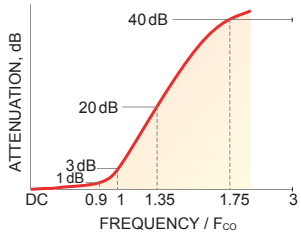
Outline Dimensions (inch / mm)

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

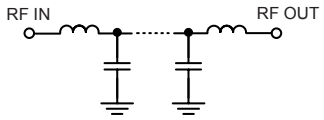
Low Pass Filter Electrical Specifications

PASSBAND (MHz) (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

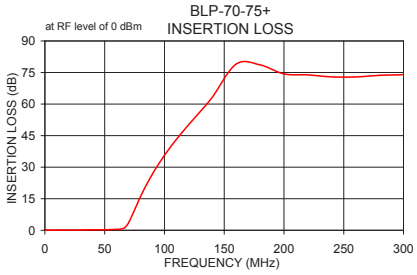


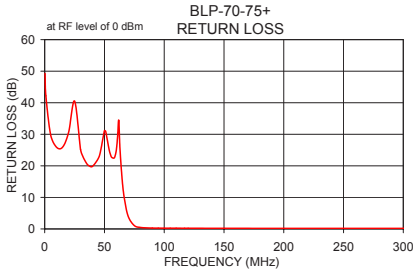
functional schematic

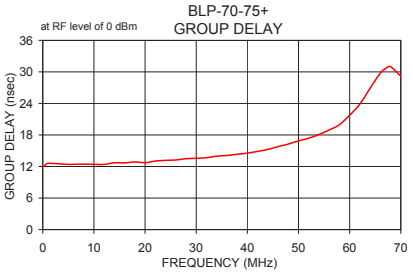


Typical Performance Data

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.
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