

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



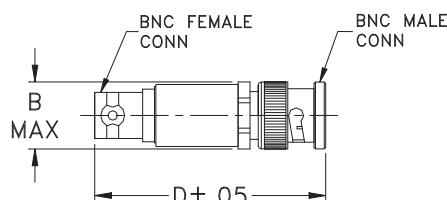
CASE STYLE: FF968

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

+RoHS Compliant

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

Outline Drawing



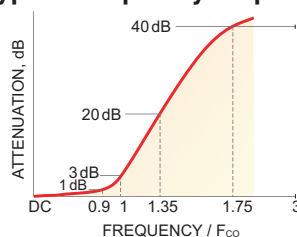
Outline Dimensions (inch/mm)

B	D	wt.
.62	2.27	grams
15.75	57.65	30.8

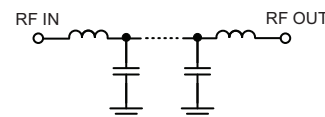
Low Pass Filter Electrical Specifications

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

typical frequency response

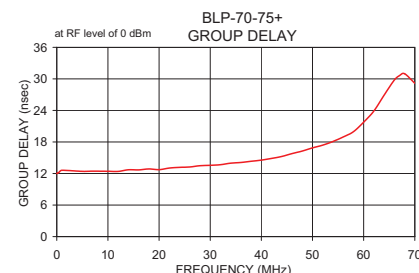
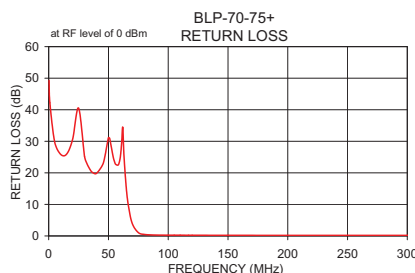
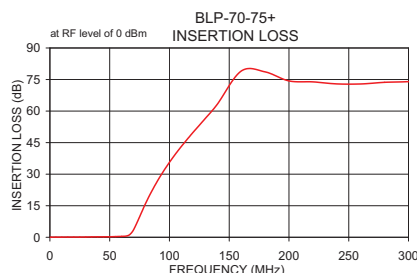


functional schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB) $\bar{x}$ 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



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Page 1 of 1