

Coaxial Low Pass Filter

BLP-300+

50Ω DC to 270 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

Applications

- test equipment
- lab use
- video equipment



CASE STYLE: FF55

Connectors	Model	Price	Qty.
BNC	BLP-300+	\$32.95 ea.	(1-9)

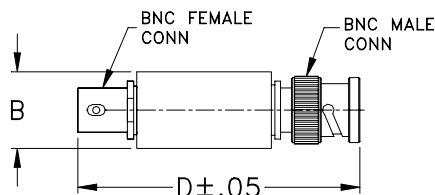
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Low Pass Filter Electrical Specifications

PASSBAND (MHz)	fco (MHz) Nom.	STOPBAND (MHz)		VSWR (:1)	
		(loss > 20 dB)	(loss > 40 dB)	Passband Typ.	Stopband Typ.
DC-270	297	410-550	550-1200	1.7	18

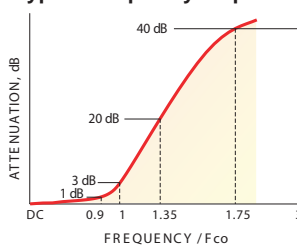
Outline Drawing



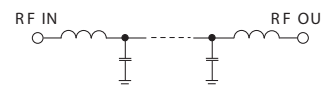
Outline Dimensions (inch/mm)

B	D	wt
.54	2.59	grams
13.72	65.79	40.0

typical frequency response

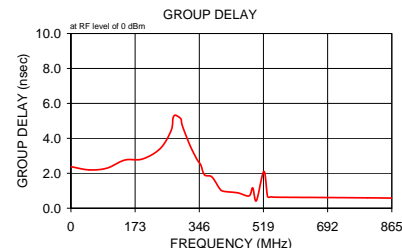
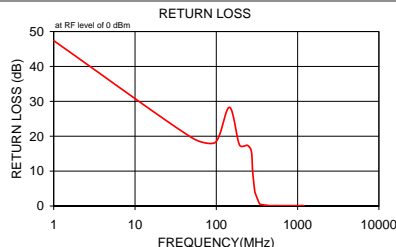
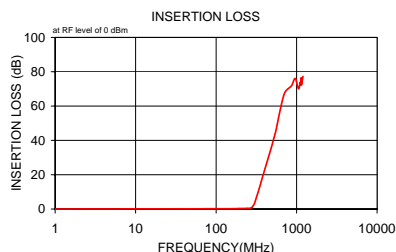


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)		Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
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1.00	0.02	0.1	47.4	1.00	2.37
49.00	0.13	0.1	19.7	49.00	2.20
97.00	0.17	0.1	18.2	97.00	2.29
145.00	0.15	0.1	28.3	145.00	2.76
193.00	0.28	0.1	17.5	193.00	2.82
241.00	0.36	0.1	17.4	241.00	3.42
270.00	0.53	0.1	15.6	270.00	4.45
280.00	1.00	0.1	9.8	275.00	5.14
297.00	2.83	0.2	4.3	280.00	5.33
300.00	3.29	0.2	3.8	290.00	5.24
340.00	11.27	0.3	0.7	297.00	5.08
360.00	15.31	0.3	0.4	300.00	4.75
380.00	19.09	0.4	0.3	320.00	3.64
400.00	22.62	0.4	0.2	340.00	2.79
410.00	24.31	0.4	0.2	350.00	2.49
450.00	30.64	0.6	0.1	360.00	1.91
490.00	36.51	0.9	0.1	380.00	1.79
520.00	40.88	1.2	0.1	400.00	1.15
530.00	42.34	1.3	0.1	410.00	0.98
540.00	43.72	1.3	0.1	450.00	0.88
550.00	45.07	1.5	0.1	480.00	0.70
700.00	66.82	5.7	0.1	490.00	1.16
864.00	71.78	6.6	0.1	500.00	0.43
960.00	76.06	6.9	0.1	520.00	2.11
1056.00	70.05	3.2	0.1	530.00	0.67
1110.00	73.87	7.7	0.1	540.00	0.65
1120.00	72.31	5.1	0.1	550.00	0.63
1140.00	76.33	5.1	0.1	700.00	0.61
1150.00	72.33	3.5	0.1	800.00	0.59
1200.00	77.29	5.8	0.1	864.00	0.58



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IF/RF MICROWAVE COMPONENTS

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