

Coaxial Low Pass Filter

BLP-10.7+

50Ω DC to 11 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



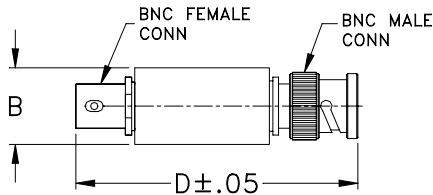
CASE STYLE: FF55

Connectors	Model	Price	Qty.
BNC	BLP-10.7+	\$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.

Outline Drawing



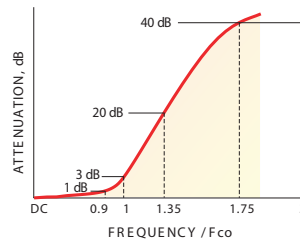
Outline Dimensions (inch/mm)

B	D	wt
.54	2.59	grams
13.72	65.79	40.0

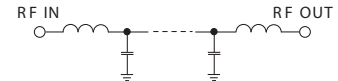
Low Pass Filter Electrical Specifications

PASSBAND (MHz)	fco (MHz) Nom.	STOPBAND (MHz)	VSWR (:1)
(loss < 1 dB)	(loss 3 dB)	(loss > 20 dB) (loss > 40 dB)	Passband Typ. Stopband Typ.
DC-11	14	19-24 24-200	1.7 18

typical frequency response

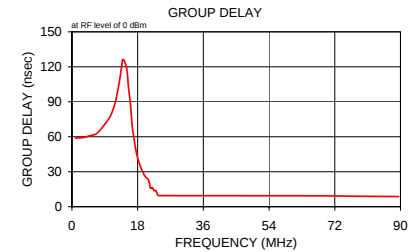
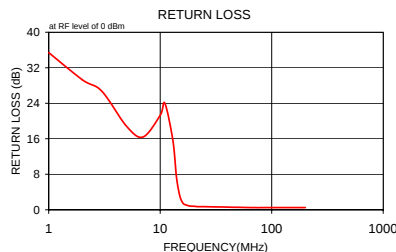
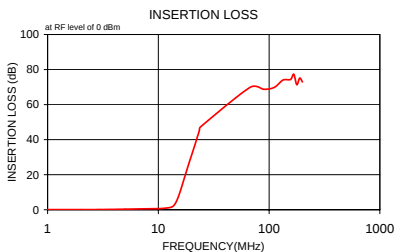


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
$\bar{x}$	σ			
1.00	0.07	0.1	35.4	
2.00	0.09	0.1	29.3	
3.00	0.12	0.1	26.7	
5.00	0.32	0.1	18.8	
7.00	0.47	0.1	16.4	
10.00	0.65	0.1	21.3	
11.00	0.75	0.1	24.0	
13.00	1.40	0.2	15.6	
14.00	2.93	0.6	7.4	
15.00	6.69	1.2	3.1	
16.00	11.80	1.5	1.5	
17.00	17.23	1.5	1.1	
17.50	19.81	1.6	1.0	
18.00	22.31	1.6	0.9	
19.00	27.01	1.7	0.8	
20.00	31.35	1.7	0.8	
21.50	37.46	1.8	0.7	
22.50	41.58	2.0	0.7	
23.00	43.42	2.0	0.7	
23.50	45.39	2.3	0.7	
24.00	47.26	2.3	0.7	
67.50	69.85	8.9	0.5	
89.50	68.74	2.9	0.5	
111.50	69.81	2.2	0.5	
133.50	73.98	3.2	0.5	
156.00	74.31	4.9	0.5	
167.00	77.32	6.1	0.5	
178.00	71.38	2.8	0.5	
189.00	75.13	2.8	0.5	
200.00	72.96	2.1	0.5	
			58.80	
			59.10	
			59.27	
			60.97	
			63.36	
			74.88	
			81.22	
			91.07	
			107.18	
			117.87	
			126.32	
			118.46	
			101.87	
			88.38	
			69.67	
			58.26	
			48.58	
			41.98	
			32.50	
			26.26	
			22.78	
			15.91	
			16.35	
			13.87	
			13.79	
			9.85	
			9.53	
			9.31	
			8.98	
			8.70	



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