

Coaxial Low Pass Filter

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

BLP-10.7+



Generic photo used for illustration purposes only

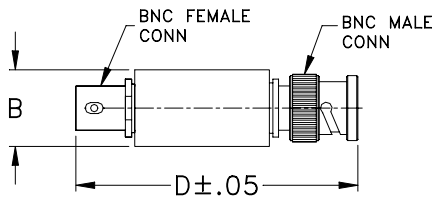
CASE STYLE: FF55

Connectors	Model
BNC	BLP-10.7+

+RoHS Compliant

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

Outline Drawing



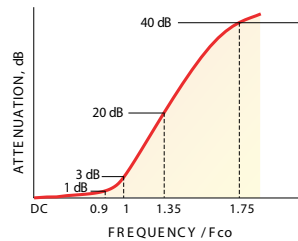
Outline Dimensions (inch/mm)

B	D	wt
.57	2.59	grams
14.47	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

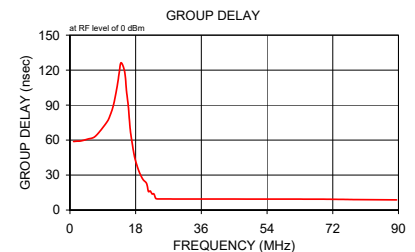
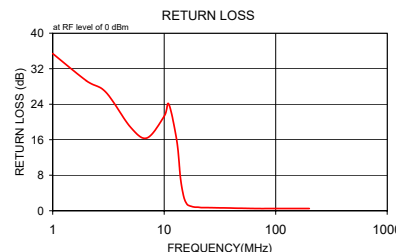


electrical schematic



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	1.00	58.80
2.00	0.09	0.1	2.00	59.10
3.00	0.12	0.1	3.00	59.27
5.00	0.32	0.1	5.00	60.97
7.00	0.47	0.1	7.00	63.36
10.00	0.65	0.1	10.00	74.88
11.00	0.75	0.1	11.00	81.22
13.00	1.40	0.2	12.00	91.07
14.00	2.93	0.6	13.00	107.18
15.00	6.69	1.2	13.50	117.87
16.00	11.80	1.5	14.00	126.32
17.00	17.23	1.5	15.00	118.46
17.50	19.81	1.6	15.50	101.87
18.00	22.31	1.6	16.00	88.38
19.00	27.01	1.7	16.50	69.67
20.00	31.35	1.7	17.00	58.26
21.50	37.46	1.8	17.50	48.58
22.50	41.58	2.0	18.00	41.98
23.00	43.42	2.0	19.00	32.50
23.50	45.39	2.3	20.00	26.26
24.00	47.26	2.3	21.00	22.78
67.50	69.85	8.9	21.50	15.91
89.50	68.74	2.9	22.00	16.35
111.50	69.81	2.2	22.50	13.87
133.50	73.98	3.2	23.00	13.79
156.00	74.31	4.9	23.50	9.85
167.00	77.32	6.1	24.00	9.53
178.00	71.38	2.8	67.50	9.31
189.00	75.13	2.8	78.50	8.98
200.00	72.96	2.1	89.50	8.70



Notes

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



www.minicircuits.com P.O. Box 350166, Brooklyn, NY 11235-0003 (718) 934-4500 sales@minicircuits.com

REV. C
ECO-023903
BLP-10.7+
MCL NY
241210