

Low Pass Filter

50Ω DC to 1.9 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-1.9+



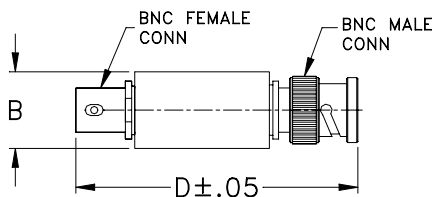
Generic photo used for illustration purposes only

CASE STYLE: FF55
Connectors Model
BNC BLP1.9+

+RoHS Compliant

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

Outline Drawing



Outline Dimensions (inch/mm)

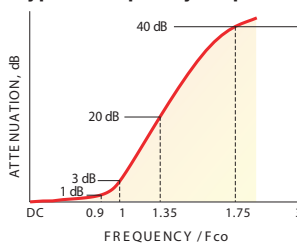
B	D	wt
.54	2.59	grams
13.72	65.79	40.0

Low Pass Filter Electrical Specifications

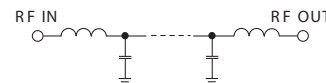
PASSBAND (MHz)	fco (MHz) Nom.	STOPBAND (MHz)	VSWR (:1)
(loss < 1 dB)	(loss 3 dB)	(loss > 20 dB) (loss > 40 dB)	Passband Typ. Stopband Typ.
DC-1.9	2.5	3.4-4.7 4.7-200	1.7 18

1 dB compression at +13 dBm input power

typical frequency response

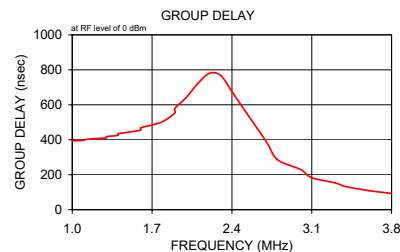
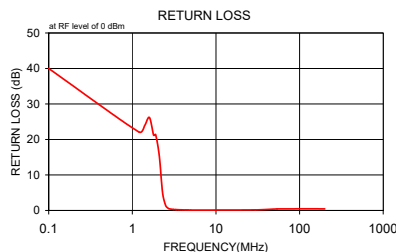
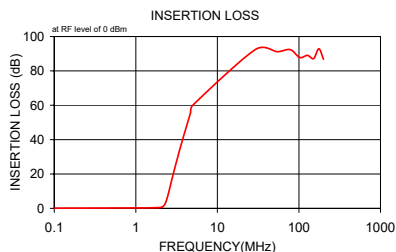


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
$\bar{x}$	σ			
0.10	0.09	0.01	40.00	
1.20	0.24	0.02	22.11	1.00
1.40	0.26	0.01	23.88	1.10
1.60	0.31	0.01	26.19	1.10
1.80	0.40	0.02	21.19	1.20
1.90	0.45	0.02	21.37	1.30
2.10	0.75	0.12	15.39	1.30
2.30	2.93	0.75	5.05	1.40
2.50	8.32	1.21	1.43	1.40
2.70	14.69	1.17	0.59	1.50
2.80	17.71	1.12	0.45	1.60
3.00	23.30	1.01	0.32	1.60
3.10	25.89	0.96	0.29	1.70
3.30	30.68	0.90	0.24	1.80
3.40	32.92	0.87	0.22	1.90
3.60	37.12	0.84	0.20	1.90
3.80	41.00	0.81	0.18	2.00
4.00	44.61	0.79	0.17	2.10
4.30	49.67	0.81	0.15	2.20
4.50	52.78	0.80	0.14	2.30
4.70	55.74	0.88	0.13	2.40
5.00	60.00	0.86	0.11	2.50
29.40	92.50	4.17	0.17	2.70
53.80	91.19	3.63	0.42	2.80
78.10	92.39	2.10	0.45	3.00
102.50	87.80	2.75	0.46	3.10
126.90	89.05	3.87	0.47	3.30
151.30	87.17	2.60	0.46	3.40
175.60	92.87	7.14	0.44	3.60
200.00	86.82	4.04	0.44	3.80



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



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