

Low Pass Filter

BLP-1000+

50Ω DC to 900 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



Generic photo used for illustration purposes only

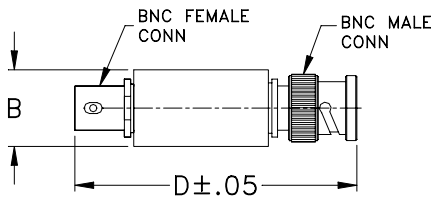
CASE STYLE: FF55

Connectors	Model
BNC	BLP-1000+

+RoHS Compliant

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

Outline Drawing



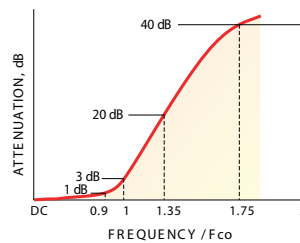
Outline Dimensions (inch/mm)

B	D	wt
.57	2.59	grams
14.47	65.79	40.0

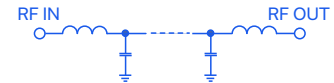
Low Pass Filter Electrical Specifications

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-900	990	1340-1750	1750-2000	1.7	18

typical frequency response

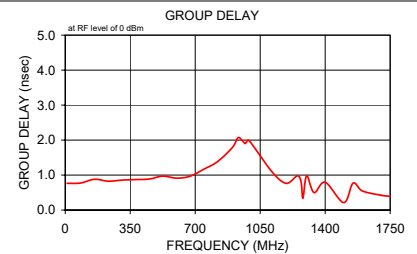
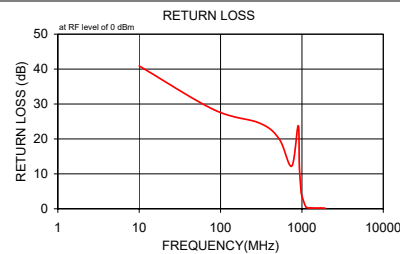


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	$\bar{x}$	σ		
10.00	0.01	0.0	10.00	0.77
82.50	0.02	0.0	82.50	0.77
305.00	0.07	0.1	157.50	0.88
525.00	0.17	0.1	230.00	0.83
747.50	0.54	0.1	305.00	0.86
900.00	0.40	0.1	377.50	0.87
930.00	0.75	0.1	452.50	0.89
970.00	2.06	0.2	525.00	0.97
990.00	3.10	0.2	600.00	0.91
1115.00	12.75	0.5	672.50	0.97
1250.00	23.28	0.7	747.50	1.17
1270.00	24.76	0.8	820.00	1.39
1280.00	25.53	0.8	900.00	1.79
1300.00	27.07	0.9	930.00	2.07
1340.00	30.19	1.0	950.00	2.01
1400.00	34.90	1.2	970.00	1.90
1500.00	43.32	1.8	990.00	1.99
1550.00	48.04	2.6	1115.00	1.08
1600.00	53.09	3.9	1190.00	0.76
1700.00	61.90	8.3	1250.00	0.98
1750.00	58.54	3.6	1270.00	0.81
1760.06	58.62	6.4	1280.00	0.34
1790.00	57.18	2.8	1300.00	0.98
1800.00	56.81	1.9	1340.00	0.50
1820.00	55.81	3.2	1400.00	0.80
1850.00	54.77	2.3	1500.00	0.21
1860.00	53.85	1.3	1550.00	0.77
1880.00	53.19	1.8	1600.00	0.55
1900.05	52.56	1.6	1700.00	0.43
1950.00	50.28	1.1	1750.00	0.39



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-1000+
MCL NY
241210