

Coaxial

Low Pass Filter

75Ω DC to 780 MHz

Maximum Ratings

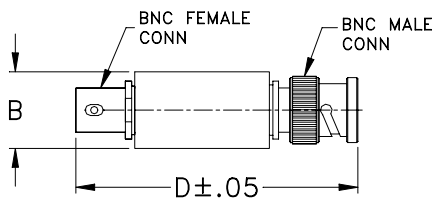
Operating Temperature -55°C to 100°C

Storage Temperature -55°C to 100°C

RF Power Input 0.5W max.

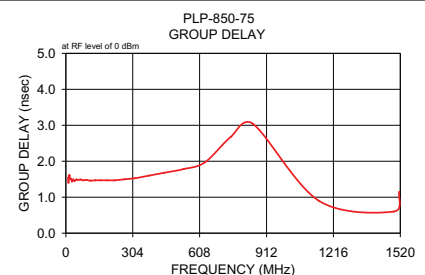
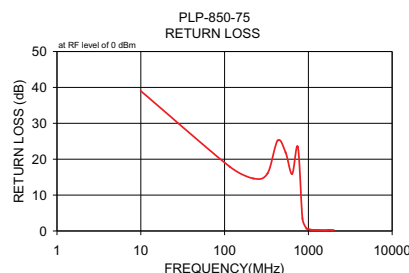
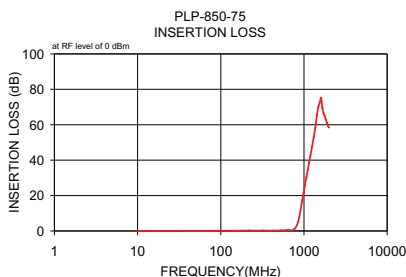
Permanent damage may occur if any of these limits are exceeded.

Outline Drawing



Outline Dimensions (inches/mm)

B	D	wt
.54	2.59	grams
13.72	65.79	40.0



Features

- rugged shielded case
- other standard and custom BLP models available with wide selection of fco

Applications

- test equipment
- lab use
- video equipment

BLP-850-75+
BLP-850-75

CASE STYLE: FF55

Connectors	Model	Price	Qty.
BNC	BLP-850-75(+)	\$33.95 ea.	(1-9)

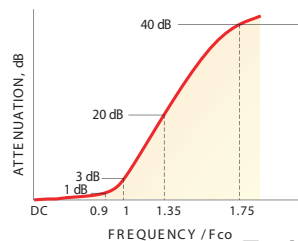
+ RoHS compliant in accordance
with EU Directive (2002/95/EC)

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

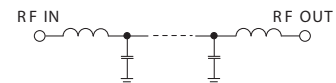
Low Pass Filter Electrical Specifications

PASSBAND (MHz)	fco (MHz) Nom.	STOPBAND (MHz)	VSWR (:1)
(loss < 1 dB)	(loss 3 dB)	(loss > 20 dB) (loss > 40 dB)	Passband Typ. Stopband Typ.
DC-750	850	1150-1490 1490-2000	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	0.00	0.01	10.00	1.54
115.00	0.11	0.00	11.91	1.41
220.00	0.25	0.01	14.64	1.60
325.00	0.26	0.03	16.62	1.61
430.00	0.21	0.03	19.64	1.51
535.00	0.32	0.03	23.52	1.51
640.00	0.53	0.06	27.79	1.44
750.00	0.71	0.06	33.28	1.49
850.00	5.08	1.38	39.32	1.45
950.00	16.83	2.42	47.09	1.49
990.00	21.45	2.68	55.63	1.48
1030.00	26.20	2.84	66.64	1.49
1070.00	30.43	2.97	78.72	1.47
1110.00	34.44	3.19	94.29	1.48
1150.00	38.50	3.39	111.38	1.46
1190.00	42.33	3.61	133.41	1.47
1250.00	47.58	4.02	157.60	1.47
1310.00	53.01	4.55	188.78	1.47
1370.00	58.31	5.90	223.00	1.47
1430.00	65.45	9.61	267.11	1.50
1490.00	70.21	7.22	315.54	1.53
1550.00	72.57	2.22	377.96	1.60
1606.30	75.16	7.29	446.48	1.68
1662.50	69.79	3.15	534.80	1.78
1718.80	66.56	1.75	631.76	1.97
1775.00	64.92	2.48	750.00	2.68
1831.30	62.90	1.72	850.00	3.04
1887.50	61.09	1.20	1150.00	0.90
1943.80	59.41	1.25	1490.00	0.60
2000.00	58.48	1.28	1515.07	1.15

Mini-Circuits®
ISO 9001 ISO 14001 AS 9100 CERTIFIED

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine Provides ACTUAL Data Instantly at minicircuits.com

IF/RF MICROWAVE COMPONENTS

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet 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.

For detailed performance specs
& shopping online see web site

REV. A
M98898
BLP-850-75
090818