

Coaxial

Low Pass Filter

NBLP-933

50Ω Flat Time Delay DC to 560 MHz

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input	0.5W max.

Features

- flat group delay for low pulse distortion
- rugged shielded case
- other NBLP models available with wide selection of cut-off frequencies

Applications

- linear modulation techniques
- voice transmission applications
- digital communications



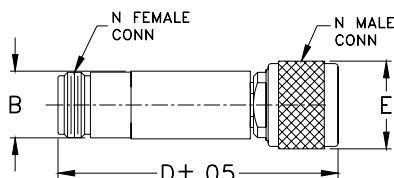
CASE STYLE: FF57

Connectors	Model	Price	Qty.
N-Type	NBLP-933	Contact Sales Dept.	

Low Pass Filter Electrical Specifications

PASSBAND (MHz)	fco, MHz Nom.	STOPBAND (MHz)		VSWR (:1)		GROUP DELAY VARIATION (nsec)		
		(loss < 1.2 dB) Min.	(loss > 10 dB) (loss > 20 dB)	DC-0.2fco $\bar{X}$	DC-0.6fco $\bar{X}$	DC-fco $\bar{X}$	DC-2fco $\bar{X}$	DC-2.67fco $\bar{X}$
DC-560	933		1866-2490 2490	1.3:1	2.2:1	0.09	0.2	0.28

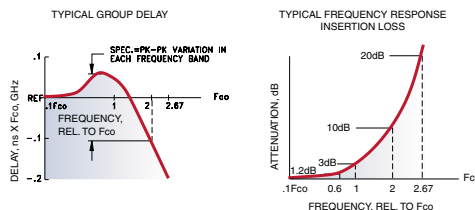
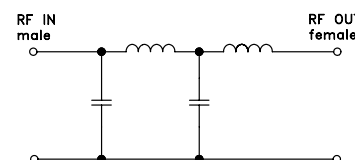
Outline Drawing



Outline Dimensions (inch/mm)

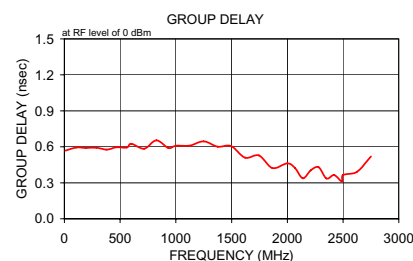
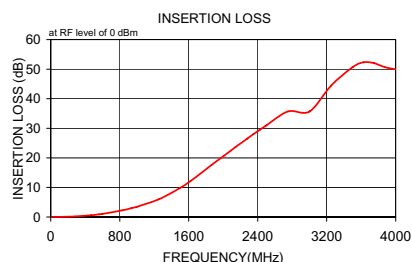
B	D	E	wt
.67	2.90	.82	grams
17.02	73.66	20.83	90.0

Electrical Schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
$\bar{X}$	σ			
10.0	0.01	0.1	10.0	0.568
195.0	0.11	0.1	105.0	0.594
285.0	0.21	0.1	195.0	0.591
380.0	0.38	0.1	285.0	0.593
470.0	0.59	0.1	380.0	0.577
560.0	0.88	0.1	470.0	0.596
600.0	1.05	0.1	560.0	0.594
825.0	2.24	0.1	600.0	0.626
933.0	3.00	0.1	715.0	0.584
1000.0	3.49	0.1	825.0	0.654
1250.0	5.97	0.1	933.0	0.591
1495.0	9.72	0.1	1000.0	0.609
1620.0	12.16	0.2	1125.0	0.610
1745.0	14.88	0.2	1250.0	0.645
1866.0	17.63	0.3	1375.0	0.601
2000.0	20.52	0.3	1495.0	0.606
2140.0	23.58	0.3	1620.0	0.510
2280.0	26.55	0.2	1745.0	0.528
2350.0	28.00	0.2	1866.0	0.423
2420.0	29.40	0.2	2000.0	0.462
2490.0	30.81	0.3	2070.0	0.422
2500.0	30.99	0.3	2140.0	0.338
2750.0	35.70	0.5	2210.0	0.404
3000.0	35.69	1.0	2280.0	0.430
3250.0	44.45	2.1	2350.0	0.336
3500.0	50.66	4.7	2420.0	0.364
3625.0	52.33	4.9	2490.0	0.310
3750.0	52.01	3.4	2500.0	0.366
3875.0	50.70	2.2	2625.0	0.392
4000.0	49.92	2.5	2750.0	0.519



Mini-Circuits®
ISO 9001 ISO 14001 CERTIFIED

ALL NEW
minicircuits.com

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

RF/IF MICROWAVE COMPONENTS

REV. OR
M97867
NBLP-933
070509