

# Coaxial Low Pass Filter

## NLP-1750+

50Ω DC to 1400 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 NLP models available with wide selection of cut-off frequencies

### Applications

- lab use
- test equipment
- video equipment



CASE STYLE: FFD7

Connectors	Model	Price	Qty.
N-Type	NLP-1750+	\$37.95 ea.	(1-9)

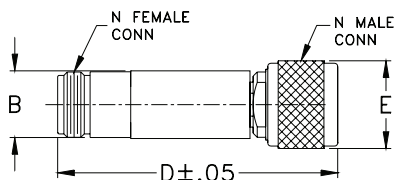
**+ RoHS compliant in accordance with EU Directive (2002/95/EC)**

The +Suffix has been added in order to identify 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 > 20 dB)	(loss > 40 dB)	Passband Typ.	Stopband Typ.
DC-1500	1750	2400-3000	3000-6000	1.3	18

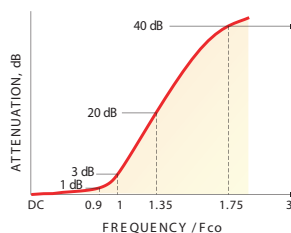
### Outline Drawing



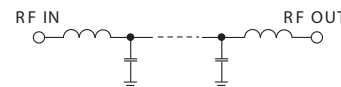
### Outline Dimensions (inch/mm)

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

### typical frequency response

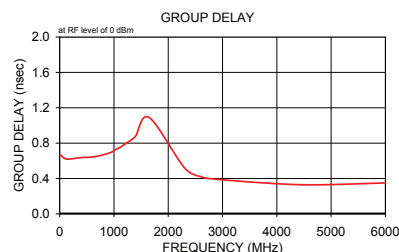
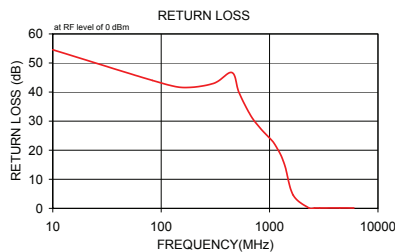
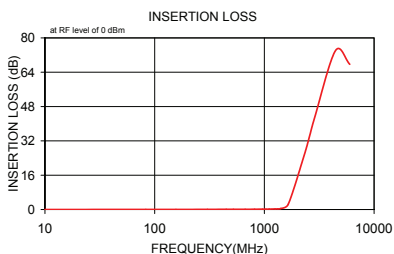


### electrical schematic



### Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)		Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	$\bar{x}$	$\sigma$			
10.00	0.01	0.00	54.57	10.00	0.67
83.15	0.03	0.00	44.01	83.15	0.63
156.31	0.04	0.00	41.59	156.31	0.62
302.63	0.07	0.01	42.96	302.63	0.63
448.94	0.09	0.01	46.71	448.94	0.64
522.10	0.10	0.01	39.86	522.10	0.64
668.42	0.11	0.01	31.98	668.42	0.65
814.73	0.14	0.01	27.73	814.73	0.67
961.05	0.17	0.01	24.86	961.05	0.70
1034.21	0.17	0.01	23.60	1034.21	0.73
1107.36	0.19	0.01	22.24	1107.36	0.75
1253.68	0.25	0.02	18.78	1253.68	0.81
1326.84	0.31	0.02	16.60	1326.84	0.84
1400.00	0.42	0.02	14.05	1400.00	0.88
1650.00	2.45	0.50	4.55	1650.00	1.09
2300.00	25.15	0.47	0.18	2300.00	0.52
2600.00	34.79	0.99	0.13	2600.00	0.42
2900.00	43.62	2.12	0.12	2900.00	0.39
4450.00	74.07	10.02	0.14	4450.00	0.33
6000.00	67.71	13.03	0.12	6000.00	0.35



**Mini-Circuits®**  
ISO 9001 ISO 14001 AS 9100 CERTIFIED

For detailed performance specs & shopping online see web site

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](http://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](http://www.minicircuits.com/MCLStore/terms.jsp).

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