

Coaxial

Low Pass Filter

NLP-800+

50Ω DC to 720 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: FF57

Connectors	Model	Price	Qty.
N-Type	NLP-800+	\$35.95 ea.	(1-9)

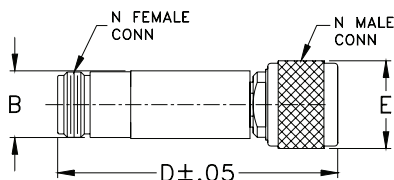
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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 < 1 dB)	(loss 3 dB)	(loss > 20 dB) (loss > 40 dB)	Passband Typ. Stopband Typ.
DC-720	800	1080-1400 1400-2000	1.7 18

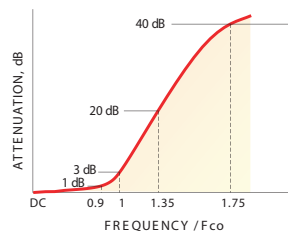
Outline Drawing



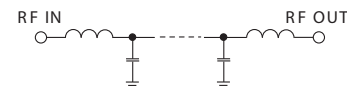
Outline Dimensions (inch/mm)

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

typical frequency response

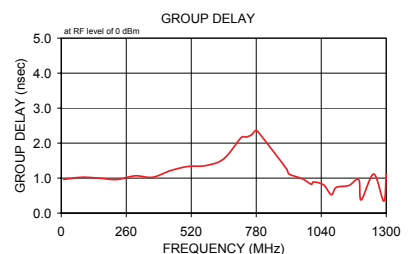
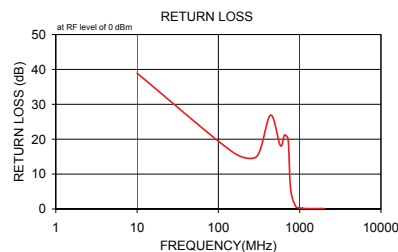


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	$\bar{x}$ σ			
10.00	0.04 0.1	38.9	10.0	0.96
152.50	0.20 0.1	16.2	80.0	1.03
295.00	0.26 0.1	15.0	152.5	1.00
437.50	0.18 0.1	26.9	222.5	0.96
577.50	0.32 0.1	18.2	295.0	1.07
650.00	0.35 0.1	21.2	365.0	1.03
720.00	0.48 0.1	20.1	437.5	1.22
760.00	1.36 0.2	8.0	507.5	1.33
800.00	3.45 0.3	3.7	577.5	1.36
900.00	11.91 0.5	0.6	650.0	1.55
950.00	16.24 0.5	0.4	720.0	2.16
1000.00	20.40 0.6	0.3	740.0	2.17
1010.00	21.22 0.6	0.2	760.0	2.23
1050.00	24.40 0.7	0.2	780.0	2.36
1080.00	26.70 0.7	0.2	800.0	2.21
1100.00	28.21 0.7	0.2	900.0	1.27
1190.00	34.98 1.0	0.1	910.0	1.12
1250.00	39.81 1.3	0.1	950.0	1.02
1290.00	43.03 1.5	0.1	970.0	0.96
1300.00	43.66 1.4	0.1	1000.0	0.83
1400.00	53.30 3.1	0.1	1010.0	0.89
1500.00	64.81 3.4	0.1	1050.0	0.80
1600.00	68.20 6.6	0.1	1080.0	0.53
1700.00	66.77 2.9	0.1	1100.0	0.73
1720.00	68.97 6.7	0.1	1150.0	0.79
1735.00	70.75 8.2	0.1	1190.0	0.96
1800.00	71.72 6.9	0.1	1200.0	0.38
1820.00	65.74 5.8	0.1	1250.0	1.12
1900.00	61.76 6.1	0.1	1290.0	0.35
2000.00	56.62 3.2	0.1	1300.0	1.12



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