

Coaxial

Low Pass Filter

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.

Features

- rugged shielded case
- other NLP models available with wide selection of cut-off frequencies

Applications

- lab use
- test equipment
- video equipment

NLP-1000+

NLP-1000



CASE STYLE: FF57

Connectors	Model	Price	Qty.
N-Type	NLP-1000(+)	\$35.95 ea.	(1-9)

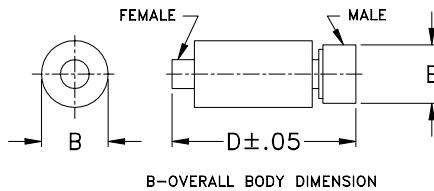
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

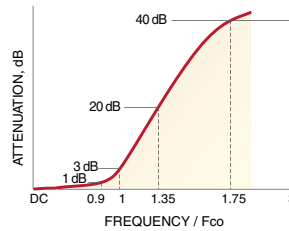
Low Pass Filter Electrical Specifications

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-900	990	1340-1750	1750-2000	1.7	18

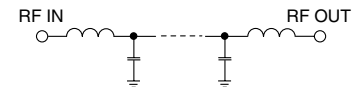
Outline Drawing



typical frequency response

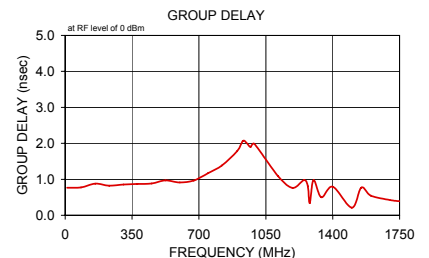
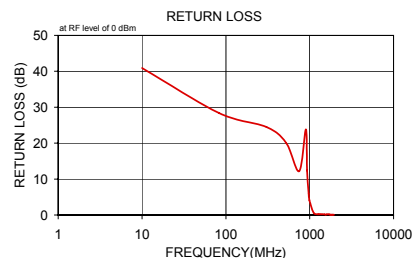


electrical schematic



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	40.9	10.00	0.77
82.50	0.02 0.0	28.4	82.50	0.77
305.00	0.07 0.1	24.5	157.50	0.88
525.00	0.17 0.1	20.0	230.00	0.83
747.50	0.54 0.1	12.2	305.00	0.86
900.00	0.40 0.1	23.8	377.50	0.87
930.00	0.75 0.1	12.4	452.50	0.89
970.00	2.06 0.2	5.9	525.00	0.97
990.00	3.10 0.2	4.1	600.00	0.91
1115.00	12.75 0.5	0.6	672.50	0.97
1250.00	23.28 0.7	0.2	747.50	1.17
1270.00	24.76 0.8	0.2	820.00	1.39
1280.00	25.53 0.8	0.2	900.00	1.79
1300.00	27.07 0.9	0.2	930.00	2.07
1340.00	30.19 1.0	0.2	950.00	2.01
1400.00	34.90 1.2	0.2	970.00	1.90
1500.00	43.32 1.8	0.2	990.00	1.99
1550.00	48.04 2.6	0.1	1115.00	1.08
1600.00	53.09 3.9	0.2	1190.00	0.76
1700.00	61.90 8.3	0.2	1250.00	0.98
1750.00	58.54 3.6	0.1	1270.00	0.81
1760.06	58.62 6.4	0.1	1280.00	0.34
1790.00	57.18 2.8	0.1	1300.00	0.98
1800.00	56.81 1.9	0.1	1340.00	0.50
1820.00	55.81 3.2	0.1	1400.00	0.80
1850.00	54.77 2.3	0.1	1500.00	0.21
1860.00	53.85 1.3	0.1	1550.00	0.77
1880.00	53.19 1.8	0.1	1600.00	0.55
1900.05	52.56 1.6	0.1	1700.00	0.43
1950.00	50.28 1.1	0.1	1750.00	0.39



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