

Coaxial

Low Pass Filter

50Ω DC to 2.5 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

NLP-2.5+

NLP-2.5



CASE STYLE: FF57

Connectors	Model	Price	Qty.
N-Type	NLP-2.5(+)	\$38.95 ea.	(1-9)

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

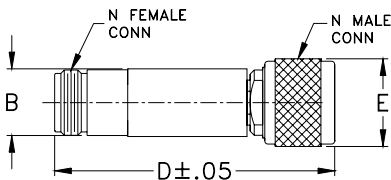
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

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-2.5	2.75	3.8-5.0 5.0-200	1.7 18

1 dB compression at +13 dBm input power

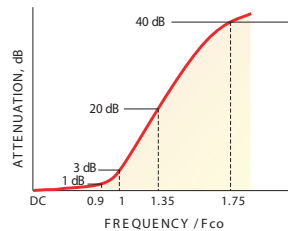
Outline Drawing



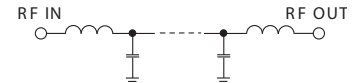
Outline Dimensions (inch/mm)

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

typical frequency response

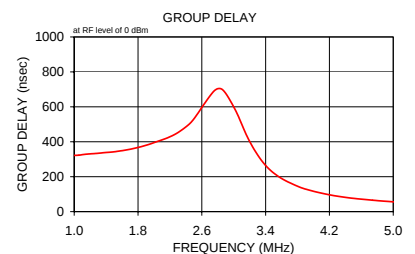
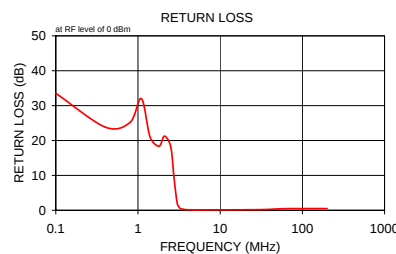


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
$\bar{x}$	σ			
0.10	0.06	0.00	1.00	321.99
0.40	0.08	0.01	1.06	323.09
0.80	0.10	0.01	1.12	327.26
1.10	0.12	0.00	1.18	330.19
1.40	0.17	0.01	1.25	332.28
1.80	0.24	0.01	1.32	334.96
2.10	0.28	0.04	1.40	338.56
2.50	0.45	0.07	1.48	341.36
2.75	1.34	0.45	1.56	346.34
3.00	5.99	1.21	1.65	352.96
3.20	11.74	1.32	1.74	360.97
3.30	14.61	1.31	1.84	372.10
3.50	19.96	1.23	1.94	385.34
3.60	22.44	1.20	2.05	402.77
3.80	27.02	1.14	2.17	422.48
4.00	31.16	1.09	2.29	449.68
4.20	34.94	1.06	2.42	492.19
4.40	38.42	1.03	2.50	530.37
4.60	41.65	1.00	2.75	689.14
4.80	44.65	0.98	2.86	697.89
5.00	47.46	0.98	3.02	582.03
5.20	50.11	0.99	3.19	410.17
29.60	89.73	3.84	3.37	280.46
53.90	87.32	1.38	3.56	201.19
78.30	89.67	4.26	3.80	145.71
102.60	86.70	3.08	3.98	119.20
127.00	88.19	4.27	4.20	96.41
151.30	90.79	3.34	4.44	79.41
175.70	90.31	4.10	4.74	65.38
200.00	93.47	9.35	5.01	55.83



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IF/RF MICROWAVE COMPONENTS

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