

# Coaxial Low Pass Filter

## NLP-2950+

50Ω DC to 2700 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



Generic photo used for illustration purposes only

CASE STYLE: FF57

Connectors	Model
N-Type	NLP-2950+

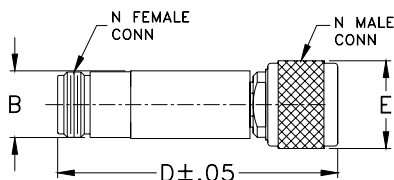
**+RoHS Compliant**

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 > 20 dB)	(loss > 40 dB)	Passband Typ.	Stopband Typ.
(loss < 1 dB)	(loss 3 dB)	(loss > 20 dB)	(loss > 40 dB)	1.3	18
DC-2700	2950	3700-4500	4500-6000		

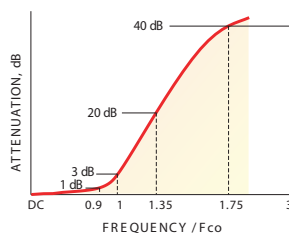
### Outline Drawing



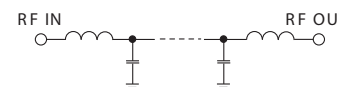
### Outline Dimensions (inch/mm)

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

### typical frequency response

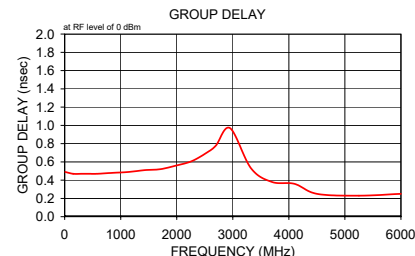
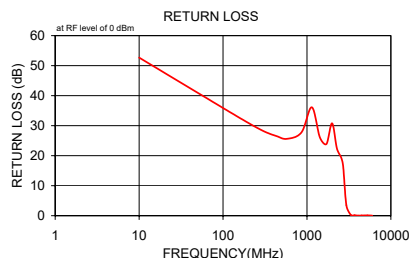


### electrical schematic



### 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	52.68	10.00	0.49
151.57	0.04	0.00	32.88	151.57	0.47
293.15	0.07	0.00	28.39	293.15	0.47
434.73	0.09	0.01	26.51	434.73	0.47
576.31	0.10	0.01	25.60	576.31	0.47
859.47	0.12	0.01	27.73	859.47	0.48
1142.63	0.14	0.01	36.13	1142.63	0.49
1425.78	0.19	0.02	26.10	1425.78	0.51
1708.94	0.21	0.02	23.87	1708.94	0.52
1992.10	0.23	0.01	30.78	1992.10	0.56
2275.26	0.30	0.02	22.41	2275.26	0.61
2558.42	0.41	0.04	19.38	2558.42	0.71
2700.00	0.58	0.12	16.56	2700.00	0.78
2950.00	3.40	0.95	3.51	2950.00	0.97
3325.00	15.26	1.29	0.29	3325.00	0.53
3700.00	26.05	1.34	0.14	3700.00	0.38
4100.00	35.49	1.43	0.03	4100.00	0.36
4500.00	43.92	1.60	0.07	4500.00	0.25
5250.00	56.88	1.91	0.10	5250.00	0.23
6000.00	65.29	2.87	0.03	6000.00	0.25



### Notes

- Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
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