

Low Pass Filter

50Ω DC to 2700 MHz

Maximum Ratings

Operating Temperature -55°C to +100°C

Storage Temperature -55°C to +100°C

RF Power Input 0.5 W 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-2950+



Generic photo used for illustration purposes only

CASE STYLE: FF57

Connectors Model
N-Type NLP-2950+

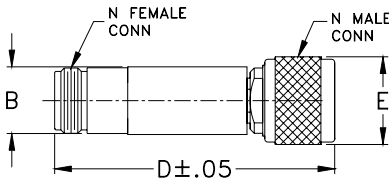
+RoHS Compliant

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

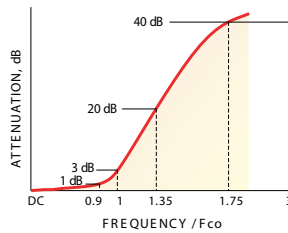
Outline Drawing



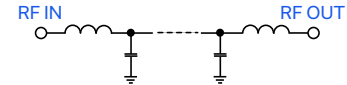
Outline Dimensions (inch/mm)

B	D	E	wt
.70	2.90	.82	grams
17.78	73.66	20.83	90.0

typical frequency response

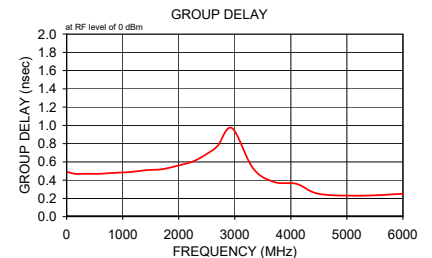
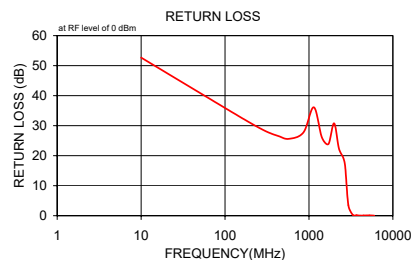
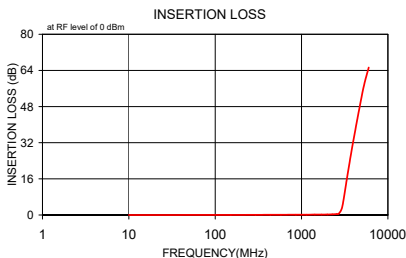


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	$\bar{x}$	σ		
10.00	0.01	0.00	10.00	0.49
151.57	0.04	0.00	151.57	0.47
293.15	0.07	0.00	293.15	0.47
434.73	0.09	0.01	434.73	0.47
576.31	0.10	0.01	576.31	0.47
859.47	0.12	0.01	859.47	0.48
1142.63	0.14	0.01	1142.63	0.49
1425.78	0.19	0.02	1425.78	0.51
1708.94	0.21	0.02	1708.94	0.52
1992.10	0.23	0.01	1992.10	0.56
2275.26	0.30	0.02	2275.26	0.61
2558.42	0.41	0.04	2558.42	0.71
2700.00	0.58	0.12	2700.00	0.78
2950.00	3.40	0.95	2950.00	0.97
3325.00	15.26	1.29	3325.00	0.53
3700.00	26.05	1.34	3700.00	0.38
4100.00	35.49	1.43	4100.00	0.36
4500.00	43.92	1.60	4500.00	0.25
5250.00	56.88	1.91	5250.00	0.23
6000.00	65.29	2.87	6000.00	0.25



Notes

- A. 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.
 B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
 C. The parts covered by this specification document 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

