



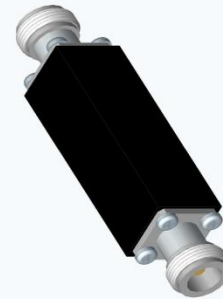
ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

LPH Series

Harmonic Lowpass filters

Description: Anatech Electronics LPH Series are 50 Ohms high performance low pass filters, with minimal insertion loss at the cutoff frequency (Fc), and relatively sharp transition to the rejection frequencies. They are designed to remove interference as well as harmonics. Their size will depend on the cutoff frequency and ranges anywhere from 2.7"-14.5" in length, including the connector..

Application: The LPH series can be used in a variety of platforms, such as in test labs bench measurements, in system harmonic reduction, interference removal, Amplifiers harmonic removal, and more.



Cutoff Frequency
400-18000 MHz

- Very Low insertion loss
- Robust assembly
- 50 Watts AVG power handling
- ROHS compliant
- Various connectors

Model No.	Cut-off (MHz)	VSWR (Max)	Ins.Loss (dB)	Length (in)
LPH-040-N	400	1.3	<=0.25	14.5
LPH-070-N	700	1.3	<=0.25	10
LPH-100-N	1000	1.3	<=0.25	7.5
LPH-150-N	1500	1.3	<=0.25	5.8
LPH-200-N	2000	1.3	<=0.25	4.7
LPH-300-N	3000	1.3	<=0.25	4.7
LPH-400-N	4000	1.4	<=0.25	4.0
LPH-500-N	5000	1.4	<=0.25	3.2
LPH-600-N	6000	1.4	<=0.25	3.2
LPH-700-N	7000	1.4	<=0.25	3.2
LPH-800-N	8000	1.5	<=0.35	3.0
LPH-900-N	9000	1.5	<=0.35	3.0
LPH-1000-N	10000	1.5	<=0.4	2.7
LPH-1100-N	11000	1.5	<=0.4	2.7
LPH-1200-N	12000	1.5	<=0.4	2.7

Common Specifications:

Pass Band: 0.4fc - 1.0 fc
Rejection:
25 dB min @ 1.2 Fc
55 dB min @ 1.5 Fc

Power Handling:
<7 GHz 50W avg, 4 kW peak
>7 GHz 25W avg, 1 kW peak

Temperature: -55°C to +180°C
Connectors, N (F)/ N (M)

Other available connectors

N type, <12 GHz : LPH-XXX-N
SMA: LPH-XXX-S
BNC, <4 GHz: -LPH-XXX-B
TNC, <7 GHz: LPH-XXX-T

Housing: All aluminum

Available in any frequency cutoff between 400-18000 MHz