

DAB L-Band Dual-Mode Bandpass Filter

Product Features

- Low loss
- High power (Up to 2 kW)
- Compact dual-mode design
- Invar construction for stable performance
- Compliant with Eureka 147 mask specifications



Overview

UBS' DAB L-band bandpass filters are custom designed for channelized applications requiring high levels of rejection near the operating band of interest.

The cavities are fabricated from Invar to provide excellent temperature stability and are silver plated for low loss.

Our DAB L-Band filters have been designed to meet the Eureka 147 mask specifications.

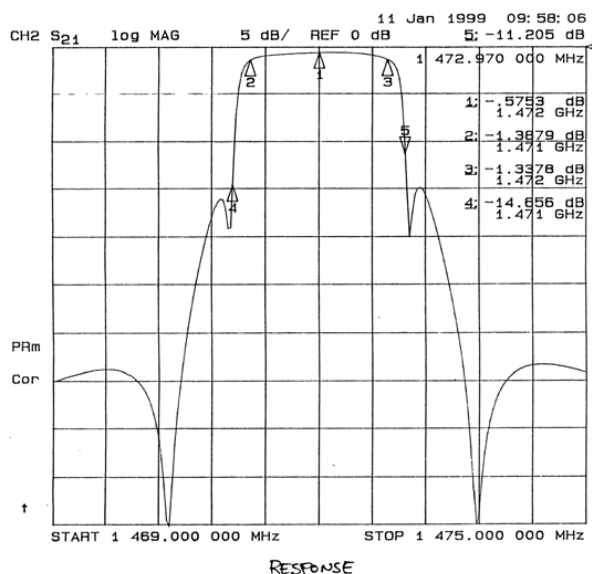
Available models include; four, six and eight-pole dual mode designs.

L-Band Filter Specifications

Center Frequency	1452 MHz - 1492 MHz
Insertion Loss: at Center Frequency at ±0.77 MHz	0.7 dB max 1.0 dB max.
Rejection at ±1.8 MHz	30 dB min.
VSWR	1.20:1
Average Power Handling	Up to 2 kW (connector dependent)
Connectors	7/16 DIN-type, 7/8" or 5/8"
Dimensions	17" (L) x 9" (OD) (excludes connectors)

(specifications are subject to change without notice)

Typical Frequency Response



General Filter Specifications

Center Frequency	2 to 20 GHz
Number of Cavities	2 to 4
Passband	2 MHz to 30 MHz
Insertion Loss	0.3 to 1.2 dB typ.
Rejection	Consult Factory
Input/Output Ports	Coaxial Connectors or WG flanges