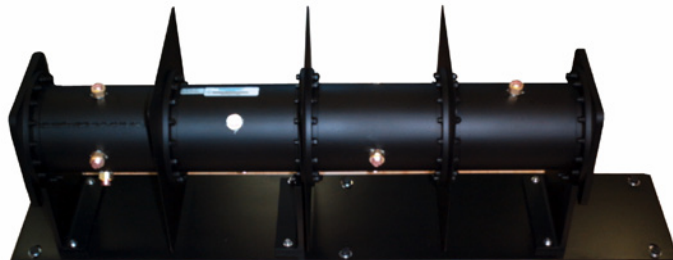


# S-Band Dual-Mode Bandpass Filter

## Product Features

- Low loss
- High power ( Up to 3 kW)
- Compact dual-mode design
- Invar construction for stable performance
- Compliant with FCC mask specifications



## Overview

UBS Dual Mode 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 DARS S-Band filters have been designed to meet the FCC mask requirements for Digital Audio Radio Service Systems.

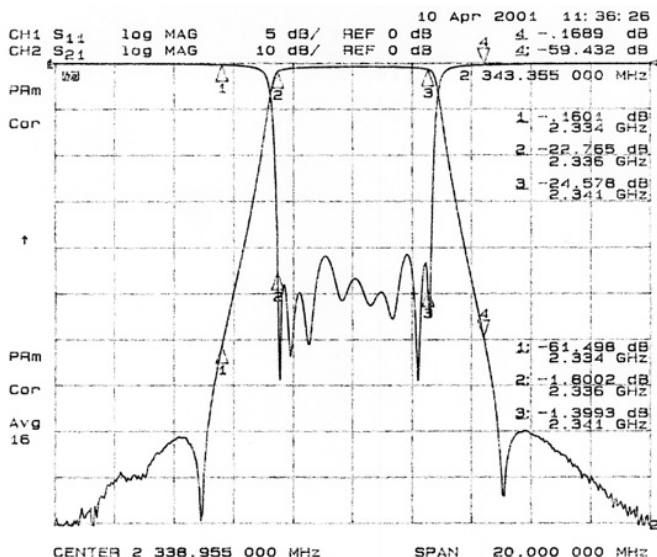
Available models include; four, six and eight-pole dual mode designs.

## S-Band Filter Specifications

<b>Center Frequency</b>	2300 MHz - 2345 MHz
<b>Insertion Loss at Center Frequency at ±2.53 MHz</b>	0.85 dB max. 1.6 dB max.
<b>Rejection at ±1.8 MHz</b>	38 dB min.
<b>VSWR</b>	1.20:1
<b>Average Power Handling</b>	Up to 3 kW
<b>Connectors</b>	WR340
<b>Dimensions</b>	38"L x 8"OD (excludes iris)

(specifications are subject to change without notice)

## Typical Frequency Response



## General Filter Specifications

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