

Waveguide Bandpass Filter

Product Features

- Wide range of waveguide sizes
- Excellent out-of-band rejection
- Low pass band insertion loss



Overview

Our bandpass filters exhibit excellent out-of-band rejection while maintaining a very low pass-band insertion loss. This makes them ideally suited for critical receiver front-end or transmitter applications. Increased selectivity is simply accomplished by the addition of more resonator sections to the design. Our designs can incorporate 2 to 17 resonator sections to satisfy the most stringent requirements.

Available construction material includes bronze, aluminum or invar and may be folded to comply to a specified mechanical configuration. Please consult our sales department for further details.

Product Specifications

Frequency Range	1.14 GHz – 40 GHz
Available Bandwidth	Up to 12%
Insertion Loss	0.5 dB – 2.0 dB (dependant on # of sections)
Stop Band Attenuation	Consult Factory
Number of Resonator Sections Available	2 to 17
VSWR	1.50:1
Connectors	WR28 to WR650
Dimensions	Consult Factory

(specifications are subject to change without notice)

Typical Frequency Response

