



### Overview

NIC introduces Cavity Bandpass filters spanning from K band to Ka band, designed for use in airborne, ship-mount or vehicle mount applications in harsh military environments. Custom designs are available from 18 GHz to 30 GHz.

### Features

- Compact package
- Low Insertion loss
- High selectivity
- Hermetically sealed packages available

## K-Ka Band Cavity Filters

### Electrical Specifications:

Parameter	Specifications
Center frequency range	18 GHz – 30 GHz
3dB Bandwidth	5% - 20%
Insertion loss	1.2dB max
Stopband Attenuation	5 pole Chebychev response
Impedance (Input/Output)	50 Ohms
Connections (Input/Output)	Field Replaceable SMA connectors
Approximate Package size	1.18" x 0.50" x 0.30" + SMA
Operating Temp range	-40°C to +85°C

### Response Plot:

