



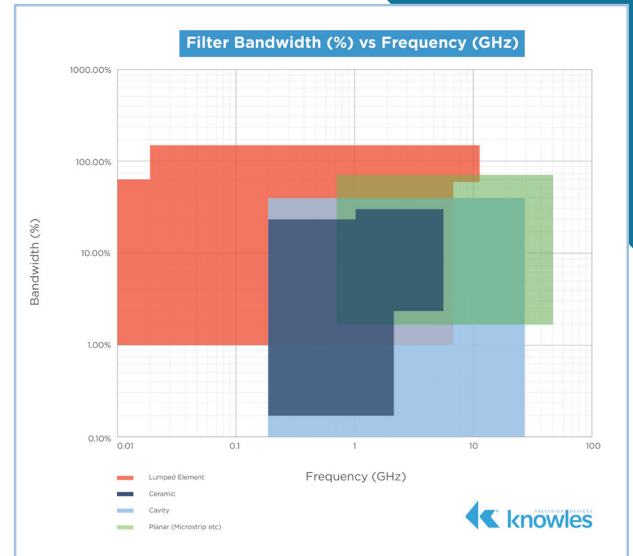
What's New at Knowles

Expanding Our Filter Technology Offerings to Serve Low-Frequency Applications

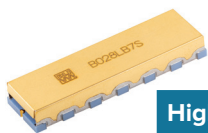
Over the last five years, Knowles Precision Devices has made a number of moves to grow in size, reach and product development. In 2021, we acquired Integrated Microwave Corporation (IMC), a leader in the design and manufacture of custom precision RF microwave filters and multiplexers for the aerospace, defense, and communications industries.

The acquisition of IMC helps us expand our offerings to serve applications operating in the lower portion of the frequency range from VHF to L band. While we have always offered RF and microwave products that excel at filtering in applications operating from S to Ka band, now we have a complete range of RF and microwave filtering solutions that support applications from VHF to Ka band.

We can now deliver ceramic, lumped element, and a wider range of cavity filters for lower frequency and/or higher power applications.



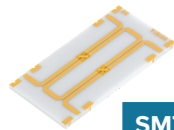
PRODUCT HIGHLIGHTS



SAMPLING NOW!

High-Q Bandpass Filters at S Band

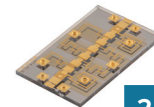
- Up to 50 W CW power
- High Selectivity
- Low Insertion Loss



SAMPLING NOW!

SMT Quadrature Hybrid Couplers, C to K band

- Capability from C to K band
- Inherently wide band
- Surface Mount Assembly



SAMPLING NOW!

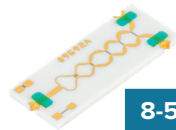
2-18GHz Highpass and Bandpass Filters

- Very wide band, L to Ku
- Low Insertion Loss
- Temperature Stable



SMT Cavity Filters at C Band

- Solder Surface Mount Assembly Cavity Filters
- Small Form Factor compared to traditional Cavity
- 1-5% Bandwidth



8-50GHz Wilkinson Power Divider

- Very Wide Band, C to V band
- Simplifies feed network construction
- Surface Mount Assembly reduces board complexity



V80 SLC

- Highest capacitance in the smallest footprint
- Introducing V80, 0408 case size, 100 nF
- Excellent high frequency response