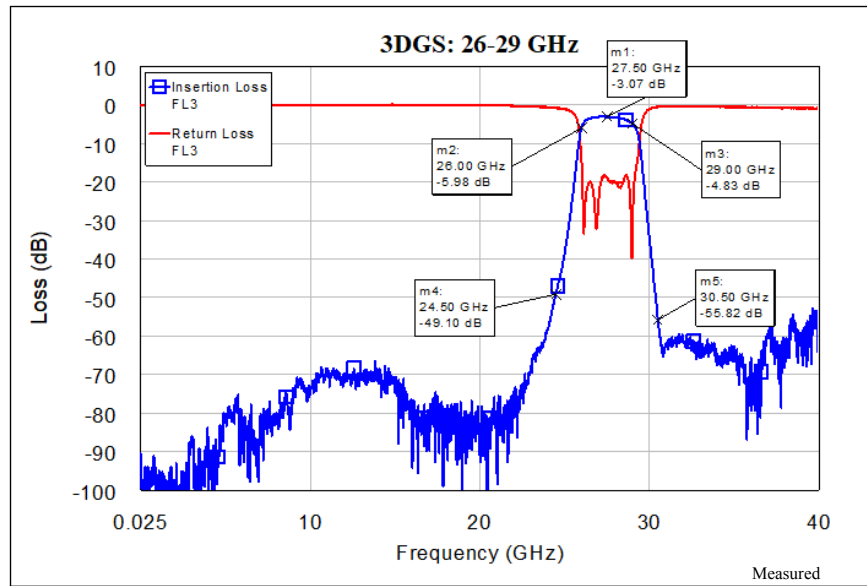


SAMPLING NOW!

Enabling the 5G Generation
28 GHz Bandpass Filters



5G and Beyond

Specification highlights:

- Frequency range 20 – 40+ GHz
- SMT design
- 3-7 poles
- Low insertion loss
- Size less than 8.0 x 4.0 mm
- 50 Ω impedance
- Bandwidths up to 40%

Key Features

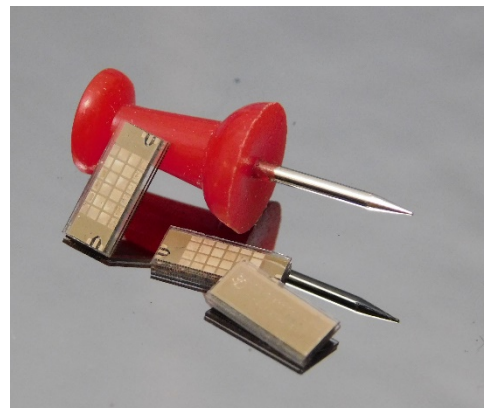
- Patented Air Cavity design
- High-Q with low insertion loss
- Unwanted RF parasitics are minimized
- Highly scalable lithographic process
- Fully shielded
- Frequency stable over temperature

mmWave Filter PDK

Design custom mmWave filters from schematic to full 3D FEM EM in a rapid and efficient work flow using AWR Microwave Office.

Customize Your Needs

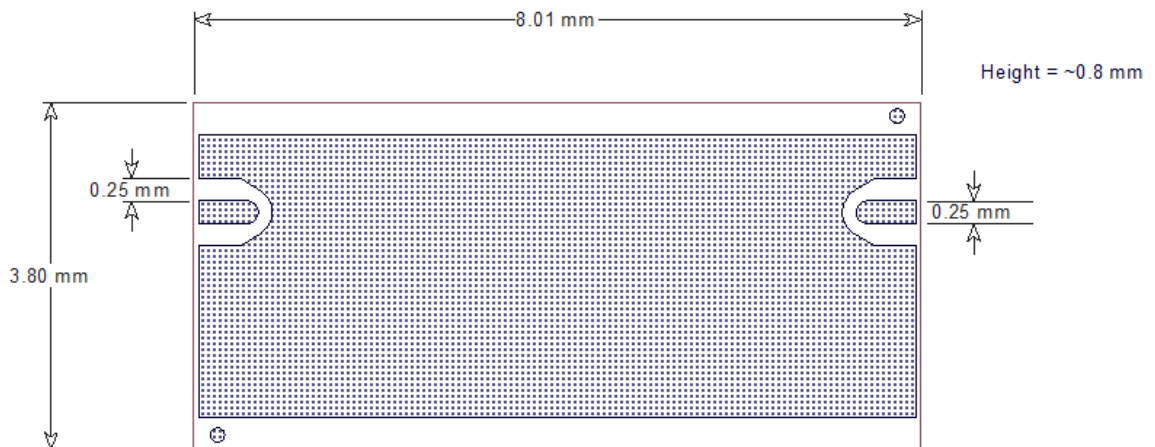
3DGS offers custom design and fabrication of mmWave filters to meet the most stringent performance needs. Let us build a filter that meets your exact requirements!



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28GHz SMD Dimensions



26GHz and 39GHz

Available in Q3 2019, 3DGS will also be releasing our 26GHz and 39GHz bandpass filters. Representative performance is shown below.

