

ENABLING THE 5G GENERATION

28 GHZ BANDPASS FILTERS

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!

mmWave Filter PDK

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

5G and Beyond

SPECIFICATION HIGHLIGHTS	KEY FEATURES
 Frequency range 20 to 40+ GHz SMT design 3 to 7 poles Low insertion loss Size less than 8.0 x 4.0 mm 50 Ω impedance Bandwidths up to 40% 	 Patented air cavity design High-Q with low insertion loss Unwanted RF parasitics are minimized Highly scalable lithographic process Fully shielded Frequency stable over

 Frequency stable over temperature





m1:	27.50 GHz	-3.07 dB
m2:	26.00 GHz	-5.98 dB
m3:	29.00 GHz	-4.83 dB
m4:	24.50 GHz	-49.10 dB
m5:	30.50 GHz	-55.82 dB
-8-	Insertion Loss	FL3
	Return Loss	FL3



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3D GLASS SOLUTIONS

ENABLING THE 5G GENERATION

28 GHZ BANDPASS FILTERS

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28 GHz SMD Dimensions

26 GHz and 39 GHz

3DGS will also be releasing 26 GHz and 39 GHz bandpass filters. *Performance shown below is representative.



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