

Faraday Shield Hole size vs Cut off Frequency

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Hole dia in Inches	Hole dia in meters	Fcut, Hz	F max Hz best RFI Shielding*
0.005	0.000127	1383835	27677
0.010	0.000254	691917	13838
0.060	0.001523999	115320	2306
0.080	0.002031999	86490	1730
0.100	0.002539999	69192	1384
0.118	0.002997198	58637	1173
0.156	0.003962398	44354	887

Fcut is the frequency at which RF energy will propagate through an aperture without being attenuated. Frequencies below Fcut will be attenuated.

Reference: <https://leadertechinc.com/blog/how-apertures-affect-emi-shielding/>

* recommended based on 1/50th wavelength or smaller