

UnLoaded Q Comparison to Linewidth

Microwave / Millimeterwave	Magnetization Saturation	Linewidth	Unloaded Q	Comments
Material	($4\pi M_s$)	(ΔH)	(Q_u) *	
YIG	1780	0.3	9500	
Ga:YIG	400	1	1500	** Q_u for this mat'l varies depending upon the actual $4\pi M_s$
CVBIG	600	1.5	1000	
LiFe	3700	1	1500	
Al:LiFe	3000	2.5	**	** Q_u for this mat'l varies depending upon the actual $4\pi M_s$
NZF	5400	<2	**	** Q_u for this mat'l varies depending upon the actual $4\pi M_s$
BaF	4800	2	950	
BaScF	3800	4	430	
BaZnF	2850	5	1250	

* NOTE: " Q_u " is frequency dependent. (Hence, if you increase the test frequency, you can increase the " Q_u ".)