Material Type	Material Compo-sition	Saturation Magnetization		Curie Temp.	Dielectric Constant	Dielectric Loss Tangent	Resonance Line Width		Spinwave Line Width		Lande Factor
RG TC		$4\pi M_s$*	Ms	T_c	ε_r	tan δ	ΔH_{-3dB}		ΔH_k		g_{eff}
		±5%		±5%	±5%	[10^{-4}]	±20%		±15%		±5%
		[Gauss]	[kA/m]	[°C]			[Oe]	[kA/m]	[Oe]	[kA/m]	
RG14	Y-Gd-In	510	40.6	175	14.5	≤ 3	80	6.37	9	0.76	2.04
RG9	Y-Gd-Al-In	650	51.7	200	14.6	≤ 3	94	7.38	14	1.11	2.02
RG81	Y-Gd-Al-In	900	72.0	200	14.8	≤ 3	60	4.80	>10	>0.8	2.02
RG8	Y-Gd-Al-In	1100	87.5	210	14.9	≤ 3	38	3.02	8	0.64	2.01
RG10	Y-Gd-In	1330	106	210	14.6	≤ 3	35	2.79	7	0.56	2.01

* $4\pi M_S$ vs. temperature see viewgraph page 2

- Low loss garnets modified to enhance temperature stability and power handling capabilities.
- High spin wave linewidth ΔH_k to provide superior high peak power performance.
- High Curie temperature T_c for applications that work in a wide temperature range.