

## APPENDIX B

### Symbol Glossary

<b>Symbol</b>	<b>Description</b>	<b>Symbol</b>	<b>Description</b>
$f$	Temperature Coefficient of Resonant Frequency	$g_{-eff}$	Landé Factor
B	Magnetic Induction	H	Applied Magnetic Field
$B_m$	Maximum Induction	$H_c$	Coercive Force
$B_r$	Remanent Induction	$4 M_s$	Saturation Magnetization
$B_r/B_m$	Squareness Ratio	Q	Q Factor = $1/\tan$
H	Ferromagnetic Resonance Line Width @ - 3dB	T	Tesla
$H_k$	Spin Wave Line Width	$T_c$	Curie Temperature
tan	Dielectric Loss Tangent $\alpha/\alpha'$	$\alpha$ or $\alpha_k$	Temperature Coefficient of Dielectric Constant
$\alpha'$	Relative Permittivity – Real Part	$D_r$	Outside Diameter
$\alpha''$	Relative Permittivity – Imaginary Part	$d_i$	Inside Diameter
$f_o$	Resonant Frequency	$T(^{\circ}C)$	Temperature, Degree Celsius
	Gyromagnetic Ratio	dB	Decibel
			Temperature Coefficient of $M_s$

#### Other Abbreviations

DBS	Direct Broadcast Satellite	NL	Narrow Line Width
DR	Dielectric Resonator	PCN	Personal Communication Network
DRO	Dielectric Resonator Oscillator	PCS	Personal Communication System
ECM	Electronic Counter Measures	PVD	Physical Vapor Deposition
GPS	Global Positioning System	RMS	Root Mean Square
GSM	Global Specialized Mobile	SG	Standard Grade
HPH	High Power Handling	SHL	Square Hysteresis Loop
MM	Millimeter Wave	TVRO	TV Receive Only
MPH	Moderate Power Handling	VSWR	Voltage Standing Wave Ratio