Characteristics	Symbol	Unit	High Frequency			Low Loss					Medium Frequency					Power Ferrite			High Permeability		
Material			R3K3	R8K	R6K	MK1	M1A	M1B	WN 2000	WN 51*	HR1	HR6	1P1	M1	09	WP30	WP25	WP23	WP43	WP70	WP100
Initial Permeability	μ_{iac}	-	15	34	40	80	250	400	2000	1600	300	500	220	700	350	3000	2500	2300	4300	7000	10.000
Working Frequency	/	MHz	800	300	300	12	5	15	1.5	100	1.5	1.0	1.0	1.0	1.5	0.15	0.5	0.5	3.0	2.0	1.0
Relative Loss Factor Frequency	$\tan\delta/\mu_i$ (/)	$x10^{-6}$ MHz	<350 (30)	250 (40)	150 (8)	<100 (12)	<40 (0.15)	17 (0.15)	14 (0.03)	-	110 (10)	230 (10)	42 (1.0)	20 (1.0)	50 (1.0)	5	5	5	<5.0 (0.01)	5 (0.1)	<0.75 (0.01)
Saturation Flux Density (H-3000 A/M)	Bs	mT	400	380	400	360	300	410	220	400	240	250	350	370	200	480	490	490	380	400	380
Remanence Flux Density	Br	mT	180	290	260	250	210	250	0.80	370	170	140	-	200	-	140	150	130	-	120	-
Coercivity	Hc	A/M	1200	320	400	500	100	80	8.0	15	40	30	-	100	60	13	15	15	13	12	4
Disaccommodation Factor	DF	10^{-6}/°C	-	-	-	20	-	-	-	-	-	-	-	1-4	-	<0.3	<0.3	<0.3	<4.0	<2.0	-
Cuire Temperature	Tci	°C	> 250	> 350	> 350	> 400	> 200	> 180	> 80	> 120	> 150	> 150	> 270	> 125	> 135	> 200	> 200	> 200	> 150	> 130	> 130
Resistivity	ρ	Ωm	$> 10^5$	$> 10^5$	$> 10^5$	$> 10^5$	$> 10^4$	$> 10^5$	$> 10^5$	$> 10^3$	$> 10^7$	$> 10^7$	$> 10^7$	10	10^3	6	6	6	0.3	0.1	0.1
Relative Temperature Coefficient of permeability T_1=25°C-T_2 = 70°C	$\alpha_{\mu r}$	10^{-6}/°C	1500-2500	100-150	80-100	2-6	<20	8-12	1-3	1-4	30-40	15-25	12-30	0.5-2.3	0.35	0.5-1.5	0.5-1.5	0.5-1.5	0.2	5 0.0-1.5	0.1-1.0
Hysteresis Constant	η_B	10^{-6}/mT	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.7	<0.7	<0.7	<1.1	<1.1	<1.4
Density	D	kg/m³	5.010^3	5.010^3	5.010^3	5.010^3	5.010^3	5.010^3	5.010^3	5.010^3	4.610^3	4.610^3	4.910^3	4.910^3	4.910^3	$4.85.10^3$	$4.85.10^3$	$4.85.10^3$	$4.85.10^3$	$4.85.10^3$	$4.85.10^3$
Powerloss/volume	Pv	kW/m³	-	-	-	-	-	-	-	-	-	-	-	-	-	<600 100kHz 200mT 100 °C	<500 100kHz 200mT 100 °C	<450 100kHz 200mT 100 °C			

Note : When not specified, Temperature is 25°C, frequency 10kHz at magnetic flux density ≤ 0.25mT - B-H Plot- Static