Hard Ferrite
Material Grade

Main Properties	Remanence		Coercive Force		Intrinsic Coercive Force		Max. Energy Pro-duct		Rev.Temp.Coef. of Induction / Coercivity		Working Temperature
	Br		HcB		HcJ		BH max				
Grade	Typical mT	Typical Gauss	min kA/m	min Oersted	min kA/m	min Oersted	Typical kJ/m3	Typical MGOe	a (Br) %/°C	a (HcJ) %/°C	maximum °C
Y8T	200-235	2000-2350	125-160	1570-2010	210-280	2640-3520	6.5-9.5	0.8-1.2	-0.2	+0.27	**250°C**
Y10T	200-235	2000-2350	128-160	1610-2010	210-280	2640-3520	6.4-9.6	0.8-1.2	-0.2	+0.27	**250°C**
Y20	320-380	3200-3800	135-190	1700-2390	140-195	1760-2450	18.0-22.0	2.3-2.8	-0.2	+0.27	**250°C**
Y22H	310-360	3100-3600	220-250	2760-3140	280-320	3520-4020	20.0-24.0	2.5-3.0	-0.2	+0.27	**250°C**
Y23	320-370	3200-3700	170-190	2140-2390	190-230	2390-2890	20.0-25.5	2.5-3.2	-0.2	+0.27	**250°C**
Y25	360-400	3600-4000	135-170	1700-2140	140-200	1760-2510	22.5-28.0	2.8-3.5	-0.2	+0.27	**250°C**
Y26H	360-390	3600-3900	220-250	2760-3140	225-255	2830-3200	23.0-28.0	2.9-3.5	-0.2	+0.27	**250°C**
Y26H-1	360-390	3600-3900	200-250	2510-3140	225-255	2830-3200	23.0-28.0	2.9-3.5	-0.2	+0.27	**250°C**
Y26H-2	360-380	3600-3800	263-288	3300-3620	318-350	4000-4400	24.0-28.0	3.0-3.5	-0.2	+0.27	**250°C**
Y27H	370-400	3700-4000	205-250	2580-3140	210-255	2630-3200	25.0-29.0	3.1-3.6	-0.2	+0.27	**250°C**
Y28	370-400	3700-4000	175-210	2200-2640	180-220	2260-2760	26.0-30.0	3.3-3.8	-0.2	+0.27	**250°C**
Y28H-1	380-400	3800-4000	240-260	3020-3270	250-280	3140-3520	27.0-30.0	3.4-3.8	-0.2	+0.27	**250°C**
Y28H-2	360-380	3300-4000	271-295	3410-3710	382-405	4800-5090	26.0-30.0	3.3-3.8	-0.2	+0.27	**250°C**
Y30	370-400	3700-4000	175-210	2200-2640	180-220	2260-2760	26.0-30.0	3.3-3.8	-0.2	+0.27	**250°C**
Y30BH	380-390	3800-3900	223-235	2800-2950	231-245	2900-3080	27.0-30.0	3.4-3.8	-0.2	+0.27	**250°C**
Y30H-1	380-400	3800-4000	230-275	2890-3460	235-290	2950-3640	27.0-32.0	3.4-4.0	-0.2	+0.27	**250°C**
Y30H-2	395-415	3950-4150	275-300	3460-3770	310-335	3900-4210	27.0-32.5	3.4-4.1	-0.2	+0.27	**250°C**
Y32	400-420	4000-4200	160-190	2010-2390	165-195	2070-2450	30.0-33.5	3.8-4.2	-0.2	+0.27	**250°C**

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Hard Ferrite
Material Grade

Main Properties	Remanence		Coercive Force		Intrinsic Coercive Force		Max. Energy Pro-duct		Rev.Temp.Coef. of Induction / Coercivity		Working Temperature
	Br		HcB		HcJ		BH max				
Grade	**Typical mT**	**Typical Gauss**	**min kA/m**	**min Oersted**	**min kA/m**	**min Oersted**	**Typical kJ/m3**	**Typical MGOe**	**a (Br) %/°C**	**a (HcJ) %/°C**	**maximum °C**
Y32H-1	400-420	4000-4200	190-230	2390-2890	230-250	2890-3140	31.5-35.0	4.0-4.4	-0.2	+0.27	**250°C**
Y32H-2	400-440	400-4400	224-240	2810-3020	230-250	2890-3140	31.0-34.0	3.9-4.3	-0.2	+0.27	**250°C**
Y33	410-430	4100-4300	220-250	2760-3140	225-255	2830-3200	31.5-35.0	4.0-4.4	-0.2	+0.27	**250°C**
Y33H	410-430	4100-4300	250-270	3140-3390	250-275	3140-3460	31.5-35.0	4.0-4.4	-0.2	+0.27	**250°C**
Y34	420-440	4200-4400	200-230	2510-2890	205-235	2580-2950	32.5-36.0	4.1-4.5	-0.2	+0.27	**250°C**
Y35	430-450	4300-4500	215-239	2700-3000	217-241	2730-3030	33.1-38.2	4.2-4.8	-0.2	+0.27	**250°C**
Y36	430-450	4300-4500	247-271	3100-3410	250-274	3140-3440	35.1-38.3	4.4-4.8	-0.2	+0.27	**250°C**
Y38	440-460	4400-4600	285-305	3580-3830	294-310	3690-3900	36.6-40.6	4.6-5.1	-0.2	+0.27	**250°C**
Y40	440-460	4400-4600	330-354	4150-4450	340-360	4270-4520	37.5-41.8	4.7-5.3	-0.2	+0.27	**250°C**

* The material data shown above represent properties that may vary due to product shape and size.

Typical Phisical Properties

Property	um	value
Density	kg/m3	4.9×10^{3}
Bending Strength	kg/m2	1.4×10^{3}
Compressive Strength	kg/m2	9.1×10^{3}
Vickers Hardness (Hv)	Hv	560 - 600
Electrical Resistivity	m	1×10^{8}
Thermal Expansion Coefficient parallel to M	//M	1.4×10^{-5}
Thermal Expansion Coefficient perpendicular to M	-l M	1×10^{-5}
Curie Temperature	°C	450