High Permeability Material Characteristics

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Characteristics	Unit	F05	F07	F10	F15
Initial Permeability μ_i		5000±25%	7000±25%	10000±30%	15000±30%
Relative temperature coefficient $\alpha_{\mu ir}$ of initial permeability	X10^{-6}/°C	-0.5~2.0 (20~60°C)	-0.5~2 (20~60°C)	-0.5~1.5 (20~60°C)	-0.5~2.0 (20~60°C)
Relative loss factor tanδ/μ_i (10kHz)	X10^{-6}	<6.5	<6.5	<7.0	<7.0
Disaccommodation factor [1 to 10 minutes]D_F	X10^{-6}	<3.0	<2.5	<2.0	<2.0
Saturation magnetic flux density 25°C [H=1194A/m]Bs	mT	420	420	400	360
Remanence 25°C Br	mT	140	100	90	100
Coercivity 25°C Hc	A/m	8	7.5	7.2	4.4
Electrical resistivity ρ	Ωm	1	0.3	0.15	0.15
Curie temperature Tc	°C	>130	>120	>120	>105
Density d	kg/m^3	4.8x10^3	4.9x10^3	4.9x10^3	4.95x10^3