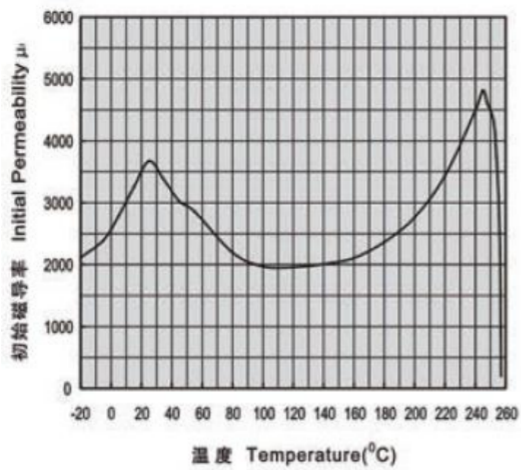


YR38Q

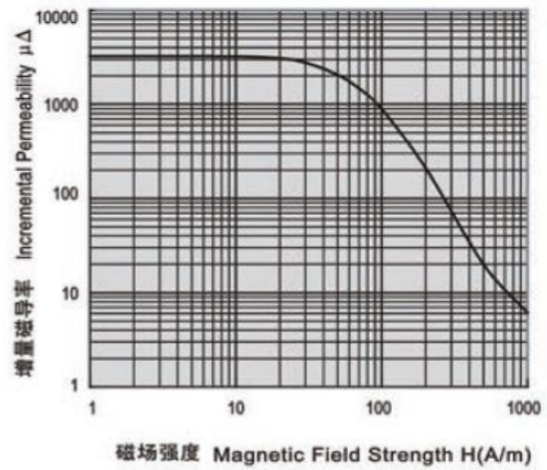
材料: YR38Q
特点: 高磁导率(约 3800)
高饱和磁通密度
较高的居里温度

Material: YR38Q
Features: High initial permeability(about 3800)
High saturation magnetic flux density
High curie temperature

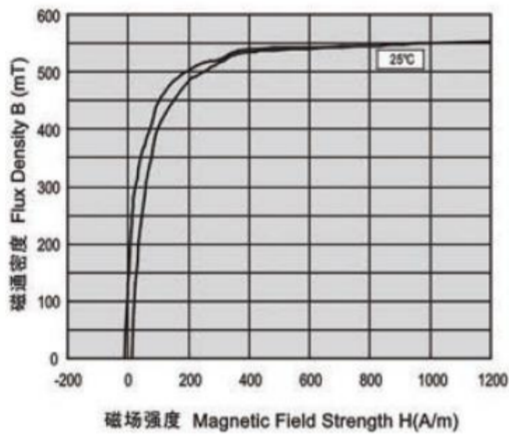
材质 Material			YR38Q
初始磁导率 Initial permeability	μ_i		3800±25%
比损耗系数 Relative loss factor	$\tan\delta/\mu_i$	$\times 10^{-6}$	≈ 1 (10kHz) ≈ 2 (100kHz)
饱和磁通密度 Saturation magnetic flux density (H=1194A/m)	B_s	mT	550 (25°C) 435 (100°C)
剩余磁通密度 Remanent flux density	B_r	mT	
矫顽力 Coercive force	H_c	A/m	12
比温度系数 Relative temperature coefficient (20~60°C)	$\alpha_{\mu r}$	$\times 10^{-6}/^\circ\text{C}$	≈ 4.4 (5~25°C) ≈ -2.2 (25~55°C)
比磁滞损耗系数 Hysteresis material constant 25°C, 10kHz, 1.5~3mT	η_B	$\times 10^{-6}/\text{mT}$	<0.3
居里温度 Curie temperature	T_c	°C	>255
电阻率 Electrical resistivity	ρ	$\Omega \cdot \text{m}$	
密度 Density	d	g/cm^3	



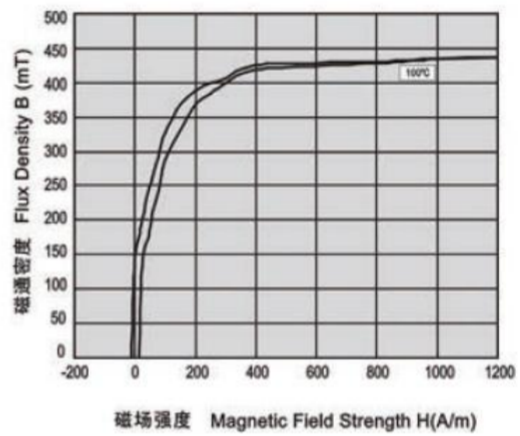
μ - T



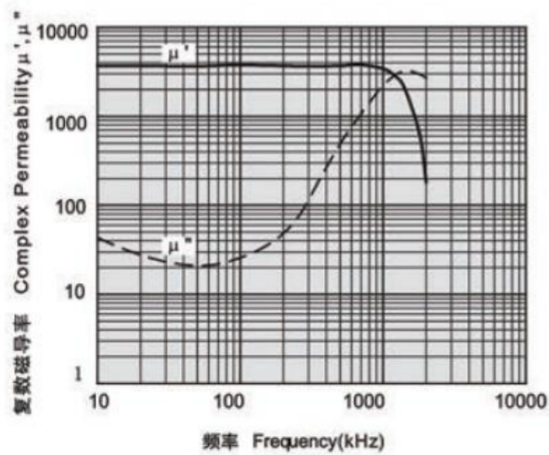
$\mu \Delta$ - H



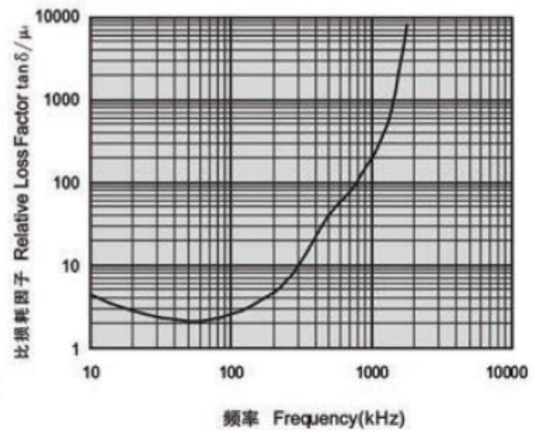
B-H (25 $^{\circ}\text{C}$)



B-H (100 $^{\circ}\text{C}$)



μ - f



$\tan \delta / \mu$ - f