

YR48

材料: YR48

特点: 主要应用于中频段(小于 300kHz)
低磁芯损耗, 高饱和磁通密度
损耗最低的温度点约在 100°C

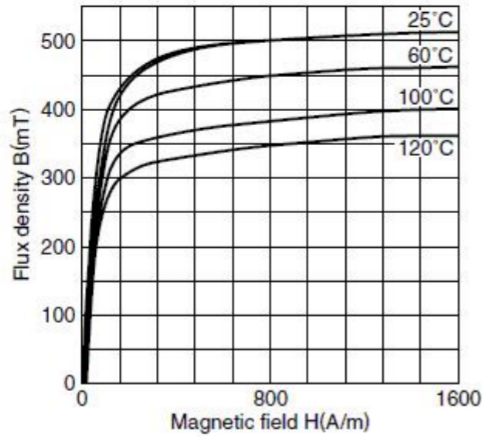
Material: YR48

Features: Mostly used at middle frequency(less than 300kHz)

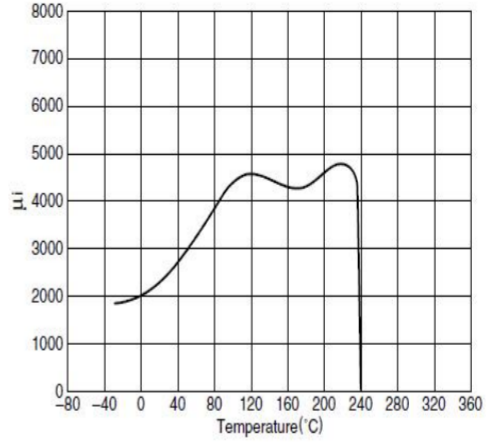
Low core loss and high saturation magnetic flux density

The temperature point of the lowest core loss at 100°C

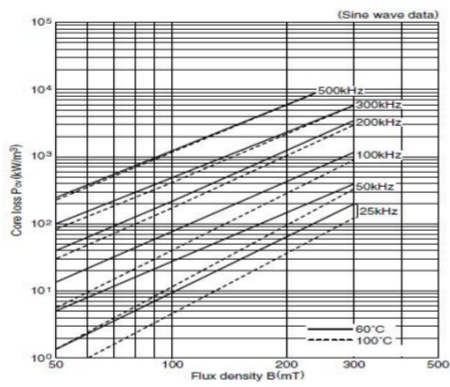
材质		Material		YR48	
初始磁导率 Initial permeability	μ_i			2400±25%	
振幅磁导率 Amplitude permeability	μ_a			3000min	
功率损耗* Core loss	Pcv	kW/m ³	25kHz 200mT 正弦波	25°C	
				60°C	
				100°C	
				120°C	
			100kHz 200mT 正弦波	25°C	600
				60°C	400
				100°C	300
				120°C	380
饱和磁通密度* Saturation magnetic flux density	Bs	mT	H=1194A/m	25°C	510
				60°C	450
				100°C	390
				120°C	350
剩余磁通密度* Remanent flux density	Br	mT		25°C	110
				60°C	70
				100°C	60
				120°C	55
矫顽力* Coercive force	Hc	A/m		25°C	13
				60°C	9
				100°C	6.5
				120°C	6
居里温度 Curie temperature	Tc	°C			>215
密度* Density	db	g/cm ³			4.8
电阻率* Electrical resistivity	ρ	$\Omega \cdot m$			6.5



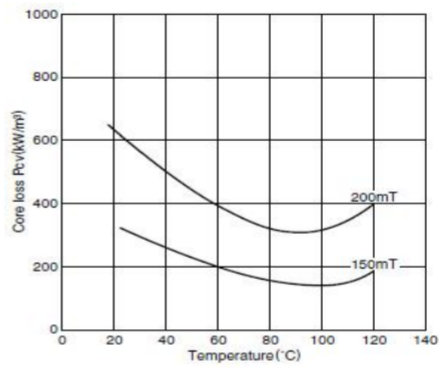
B-H



μ_i -T



P_{cv} -Bm



P_{cv} -T