

YR48D

材料: YR48D

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

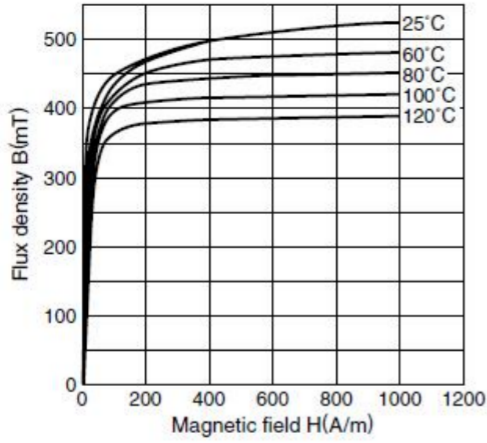
Material: YR48D

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

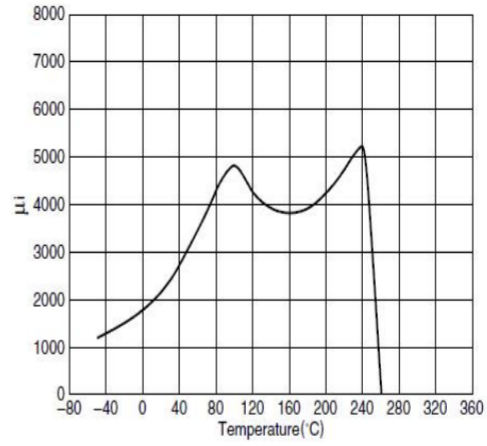
Low core loss and high saturation magnetic flux density

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

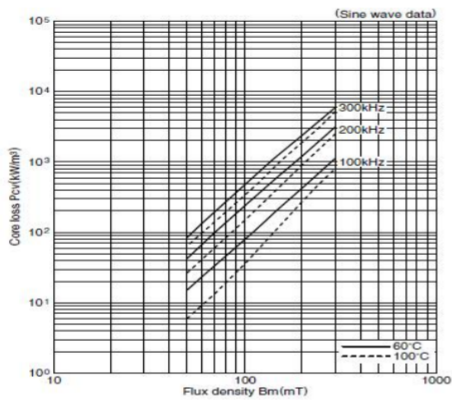
材质 Material				YR48D	
初始磁导率 Initial permeability	μ_i			2500±25%	
振幅磁导率 Amplitude permeability	μ_a				
功率损耗* Core loss	Pcv	kW/m ³	25kHz	25°C	
			200mT	60°C	
				100°C	
			正弦波	120°C	
				25°C	600
			100kHz	60°C	400
			200mT	100°C	250
			正弦波	120°C	360
25°C	530				
饱和磁通密度* magnetic flux density	Bs	mT	H=1194 A/m	25°C	
				60°C	
				100°C	
				120°C	
剩余磁通密度* Remanent flux density	Br	mT		25°C	
				60°C	
				100°C	
				120°C	
矫顽力* Coercive force	Hc	A/m		25°C	
				60°C	
				100°C	
				120°C	
居里温度 Curie temperature	Tc	°C	>230		
密度* Density	db	g/cm ³	4.9		
电阻率* Electrical resistivity	ρ	$\Omega \cdot m$	4		



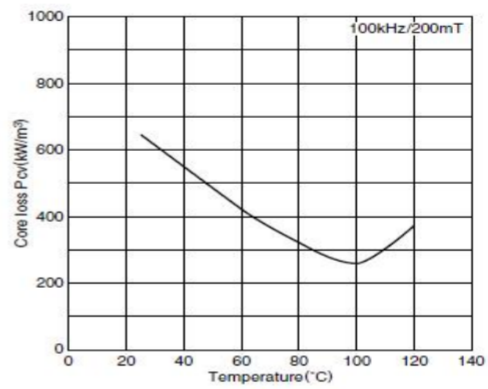
B-H



μ_i -T



P_{cv} - B_m



P_{cv} -T