



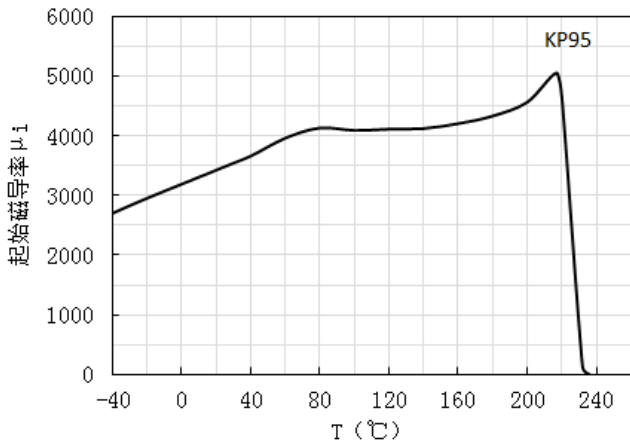
# KP95

## Material Characteristics

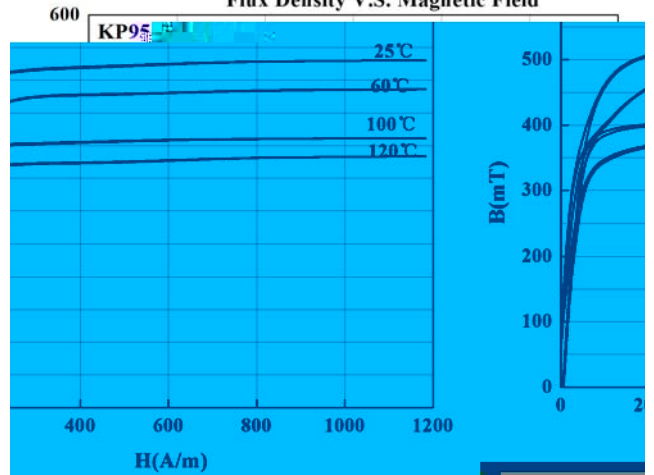
Symbol	Unit	Conditions		KP95
$\mu_i$ Initial permeability ( $\pm 25\%$ )		25		3300
$B_s$ Saturation flux density	mT	60 Hz 1194 A/m	25	530
			100	410
$B_r$ Residual magnetic flux density	mT	25		85
		100		60
$H_c$ Coercive force	A/m	25		10
$P_{cv}$ Power loss	$\text{kW/m}^3$	100 kHz 200 mT	25	350
			80	270
			100	290
			120	350
$T_c$ Curie temperature				215
Resistivity	$\Omega \cdot \text{m}$	25		6
$d$ Density	$\text{kg/m}^3$	25		$4.9 \times 10^3$



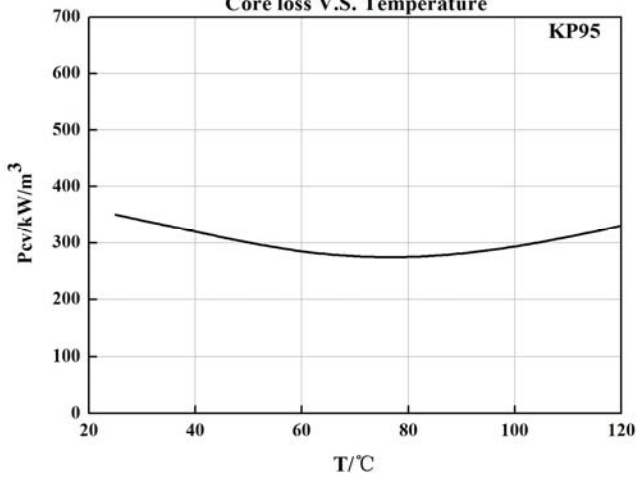
Initial Permeability V. S. Temperature



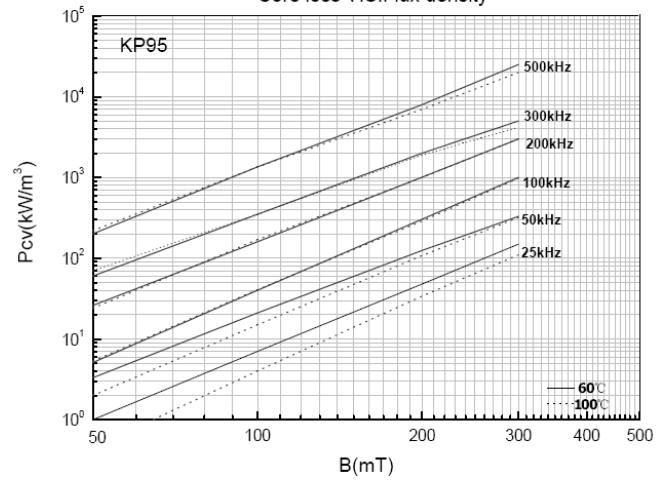
Flux Density V.S. Magnetic Field



Core loss V.S. Temperature



Core loss V.S. Flux density



$\phi 25 \times \phi 15 \times 7.5$

°C °C

The above typical data are calculated from the standard toroid core. Specific performance of the product will be adjusted on this basis.