

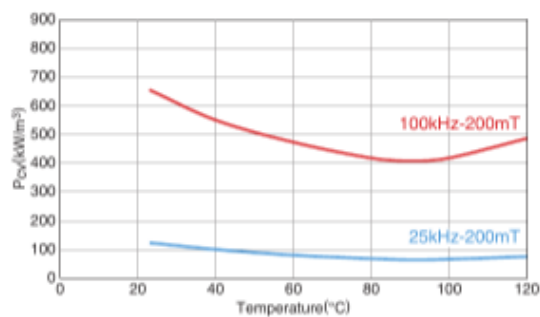
Mn-Zn Large size ferrite for high power **Material list of PC40**

■ MATERIAL CHARACTERISTICS

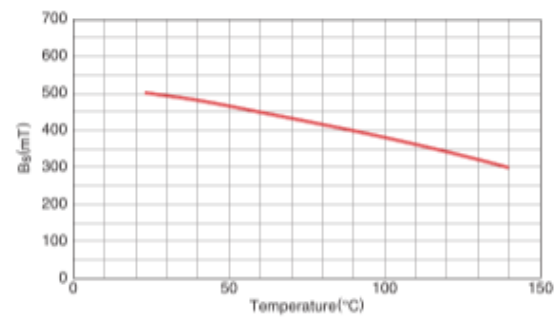
Initial permeability*	Curie temperature	Saturation magnetic flux density*		Remanent flux density*	Coercive force*	Core loss*			Electrical resistivity*	Approximate density*	Thermal expansion coefficient*	Thermal conductivity*	Specific heat*	Bending strength*	Young's modulus*	Magnetostriction*
μ_i	T _c (°C)	B _s (mT) H=1194A/m		B _r (mT)	H _c (A/m)	P _{cv} (kW/m ³) B=200mT			ρ (Ω · m)	dapp (kg/m ³) ×10 ³	α (1/K) ×10 ⁻⁶	κ (W/mK)	C _p (J/kg · K)	σ_{b3} (N/m ²) ×10 ⁷	E (N/m ²) ×10 ¹¹	λ_s ×10 ⁻⁶
23°C		23°C	100°C	23°C	23°C	25kHz	90°C	100°C	100°C							
2300	>200	500	380	125	15	64	70	420	6.5	4.8	12	5	800	9	1.2	-0.6

* Typ.

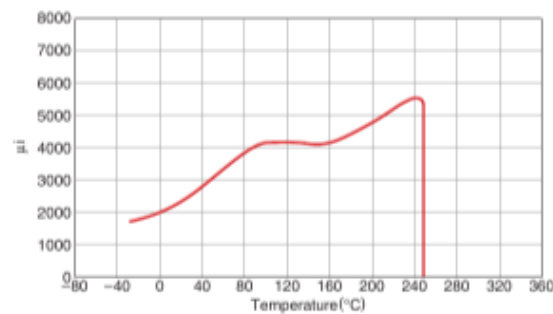
□ Core loss vs. temperature characteristics (Typ.)



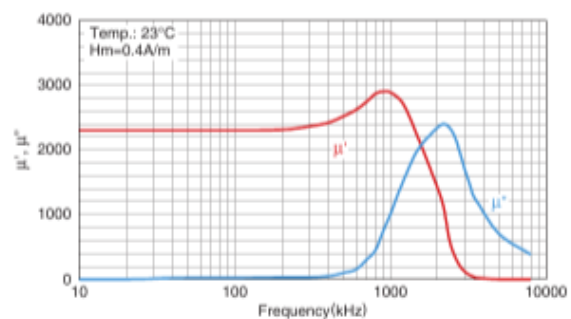
□ Saturation magnetic flux density vs. temperature characteristics (Typ.)



□ Initial magnetic permeability vs. temperature characteristics (Typ.)



□ Magnetic permeability vs. frequency characteristics (Typ.)



□ Core loss vs. frequency characteristics

