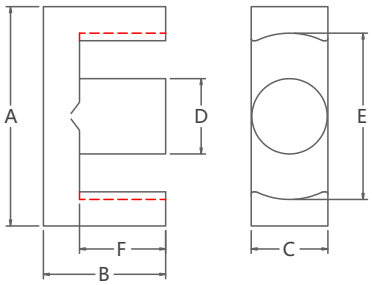
PAIRUI

SPECIFICATION FOR APPROVAL

Material

Production:	MnZn Power Ferrite Cores
FUAN.P/N:	ER30-15.8-9.5(ETD29)
AL:	2350(nH/N²)(±25%)
Material:	-P3
Code No.:	FAY01007
Material Number:	0BC150291105
Document/Rev:	00



Physical Characteristics

Before Coating						C1(mm^{-1})	Le(mm)	Ae(mm²)	Ve(mm³)	Weight (g) (ref.)
A(mm) ±0.50	B(mm) ±0.20	C(mm) ±0.30	D(mm) ±0.30	E(mm) Min	F(mm) ±0.25					
30.00	15.80	9.50	9.50	22.00	11.00	0.927	70.70	76.20	5390.0	28.5

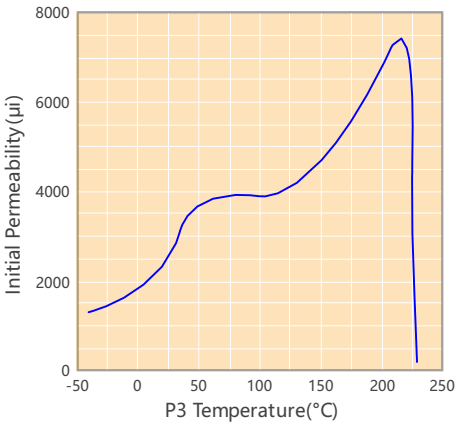
Electrical Parameters(Typical) Temperature(25℃±2℃)

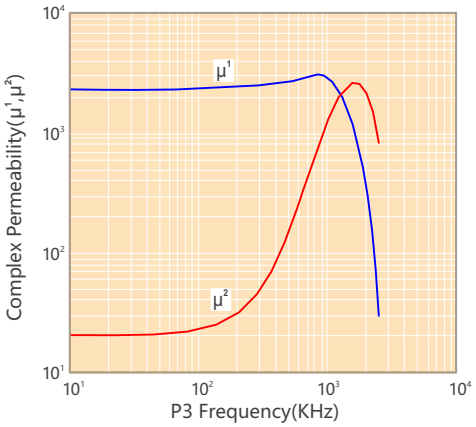
Test Item	Test Condition	Value(Typical)	Test Instrument
Inductance	φ0.35mm/1Ts, 1kHz/0.25V, I=0A (Evenly full windings)	2350nH(±25%)	HP4284A Or equivalent
	φ0.35mm/100Ts, 1kHz/0.25V, I=0A (Evenly full windings)	23.5mH(±25%)	
Remarks	Set the internal resistance of LCR meter to 100Ω.		

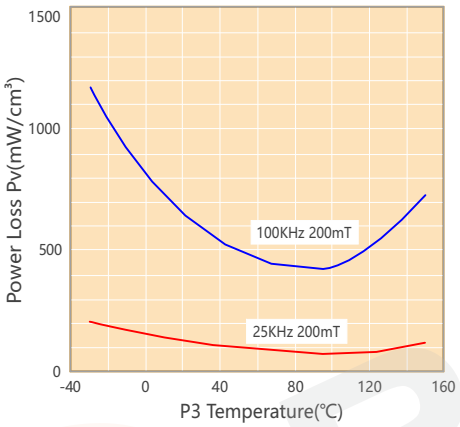
Material Characteristics

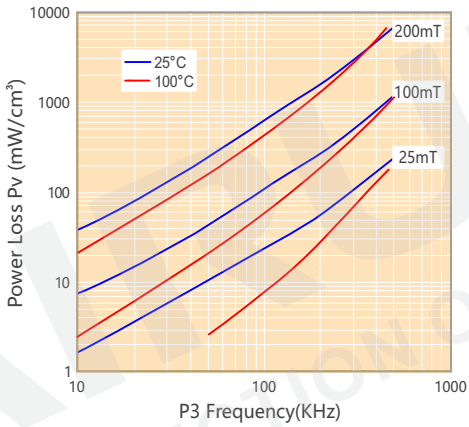
Symbol	Conditions		Value
μi Initial permeability	10KHz,B<0.25mT	25°C	2300±25%
Bs(mT) Saturation flux density	50Hz,1194A/m	25°C	510
		100°C	390
Br(mT) Remanence flux density		25°C	95
		100°C	55
Hc(A/m) Coercive force		25°C	14
		100°C	9
pv(kw/cm³) Power loss	100KHz,200mT	25°C	600
		60°C	450
		100°C	410
		120°C	500
Tc(°C) Curie temperature	10KHz,B<0.25mT		> 215
ρ(Ω·m) Resistivity		25°C	6.5
d(g/cm³) Density		25°C	4.8*10³

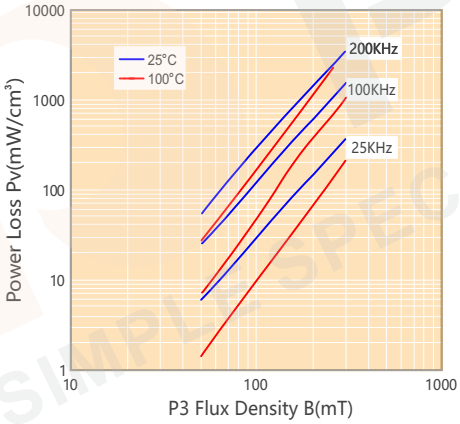
1.Mostly Used at Middle Frequency(Less than 200KHz).
2.Low Core Loss and High Saturation Flux Density.
3.The Temperature Point of the Lowest Core Loss is 90°C.
Remark:
The value of material is characteristics are typical value,Please contact our company for more characteristics in your order or agreement.

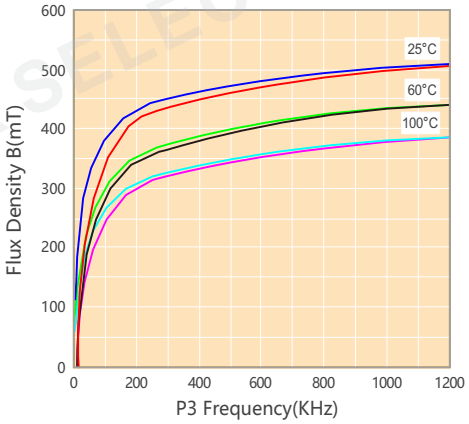


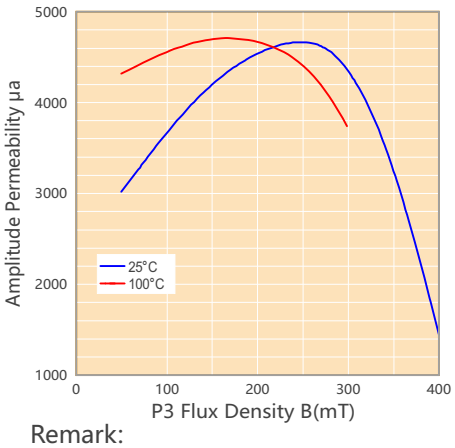












Remark:

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