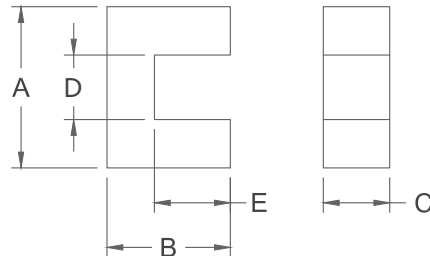


SPECIFICATION FOR APPROVAL

Material

Production:	MnZn Power Ferrite Cores
FUAN.P/N:	UU93-36.7-30
AL:	5500(nH/N ²)(±25%)
Material:	-P3
Code No.:	FAY01007
Material Number:	0BC020931039
Document/Rev:	00



Product matching: | A-A' | ≤ 1.50mm
Same core: | A-A' | ≤ 0.50mm

Physical Characteristics

Before Coating					C1(mm ⁻¹)	Le(mm)	Ae(mm ²)	Ve(mm ³)	Weight (g) (ref.)
A(mm) ±2.00	B(mm) ±0.50	C(mm) ±0.50	D(mm) ±1.50	E(mm) ±0.50					
93.00	76.00	30.00	36.70	48.00	0.421	354.0	840.0	297000	1485

Electrical Parameters(Typical) Temperature(25°C±2°C)

Test Item	Test Condition	Value(Typical)	Test Instrument
Inductance	φ0.40mm/1Ts, 1kHz/0.25V, I=0A (Evenly full windings)	5500nH(±25%)	HP4284A Or equivalent
	φ0.40mm/100Ts, 1kHz/0.25V, I=0A (Evenly full windings)	55.0mH(±25%)	
Power loss	25KHz 100mT 100°C±3°C(φ0.35mm/5Ts)	≤9.00W	CH2335A
Remarks	Set the internal resistance of LCR meter to 100Ω.		

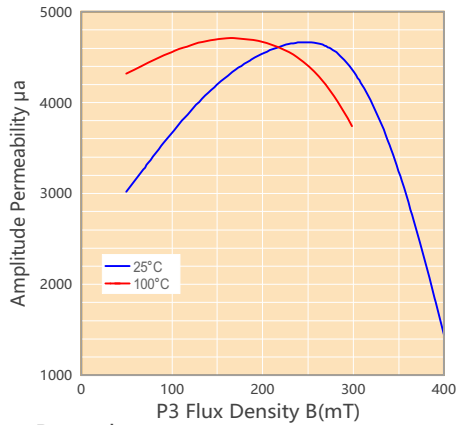
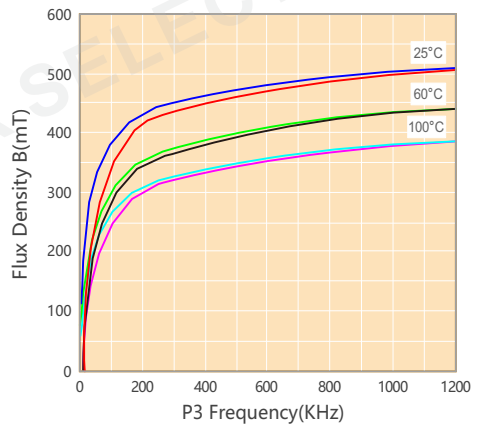
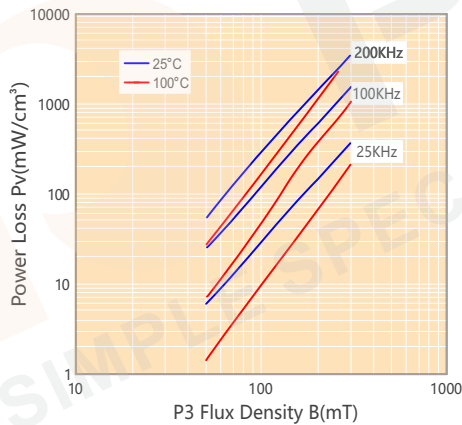
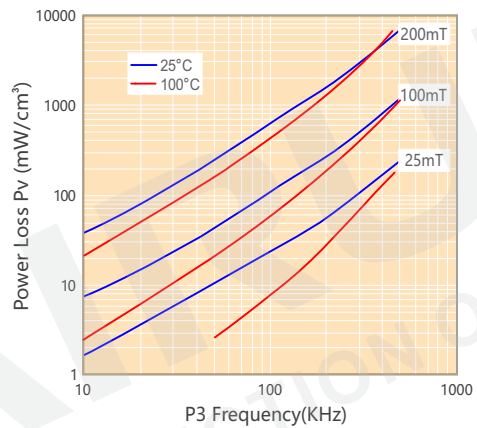
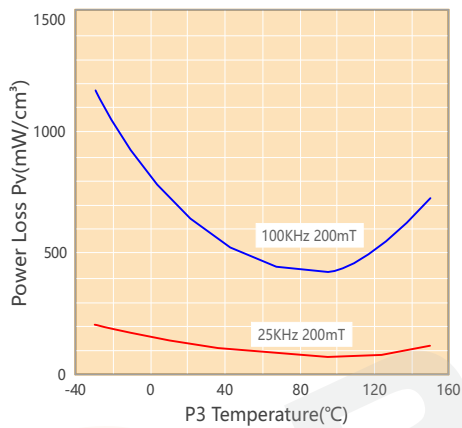
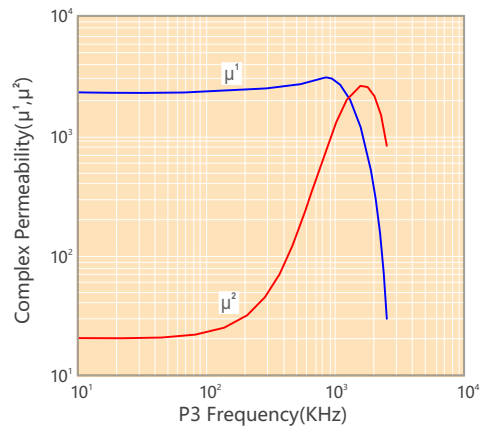
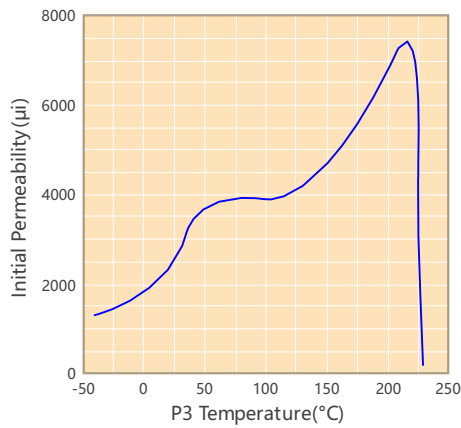
Material Characteristics

Symbol	Conditions	Value	
μ _i Initial permeability	10KHz, B<0.25mT	25°C	2300±25%
B _s (mT) Saturation flux density	50Hz, 1194A/m	25°C	510
Br(mT) Remanence flux density		100°C	390
H _c (A/m) Coercive force		25°C	95
		100°C	55
p _v (kw/cm ³) Power loss	100KHz, 200mT	25°C	600
		60°C	450
		100°C	410
		120°C	500
T _c (°C) Curie temperature	10KHz, B<0.25mT		> 215
ρ(Ω·m) Resistivity		25°C	6.5
d(g/cm ³) Density		25°C	4.8*10 ³

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 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.