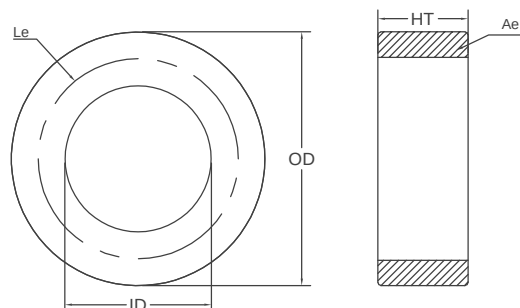


SPECIFICATION FOR APPROVAL

Material

Production:	MnZn Power Ferrite Cores
FUAN.P/N:	T25*15*10C
AL:	2452(nH/N ²)(±25%)
Material:	-P4
Coating Color:	Green
Coating Material :	C=Epoxy/P=Parylene
Coating Breakdown Voltage:	1500V,0.5mA,2Sec
Document/Rev:	00



Physical Characteristics

Before Coating			After Coating			Le(mm)	Ae(mm ²)	Ve(mm ³)	Weight (g/pcs) (ref.)
OD(mm) ±0.40	ID(mm) ±0.40	HT(mm) ±0.30	OD(mm) MAX	ID(mm) MIN	HT(mm) MAX				
25.0	15.0	10.0	26.0	14.0	11.0	60.18	48.93	2944.42	15.07

Electrical Parameters(Typical)

Test Item	Test Condition	Value(Typical)	Test Instrument
Inductance	φ0.25mm/1Ts, 1kHz/0.25V, I=0A (Evenly full windings)	2452nH(±25%)	HP4284A Or equivalent
	φ0.25mm/10Ts, 1kHz/0.25V, I=0A (Evenly full windings)	245.2uH(±25%)	
Power loss	100KHz 200mT 100°C±3°C N=5Ts(Ø0.35mm)		CH2335A
Remarks	Set the internal resistance of LCR meter to 100Ω.		

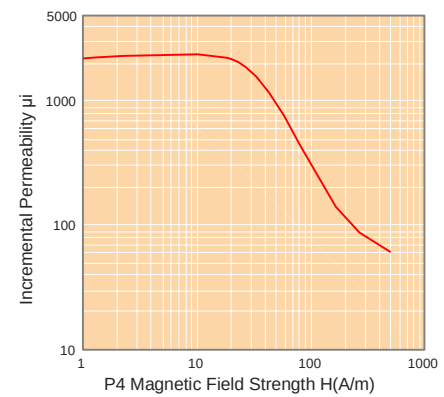
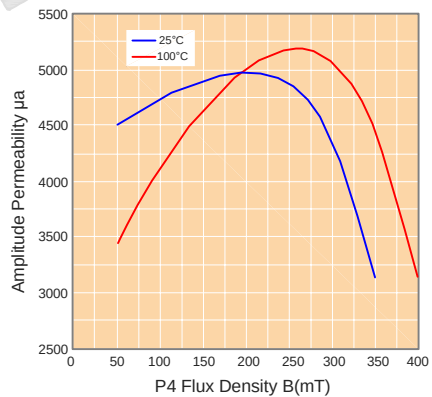
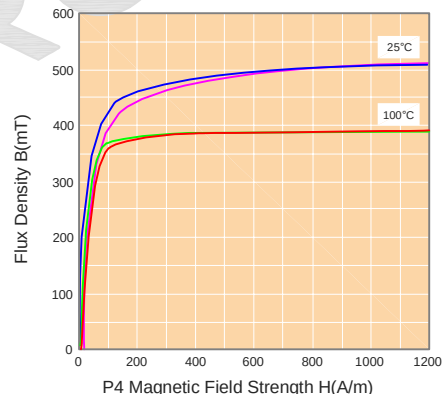
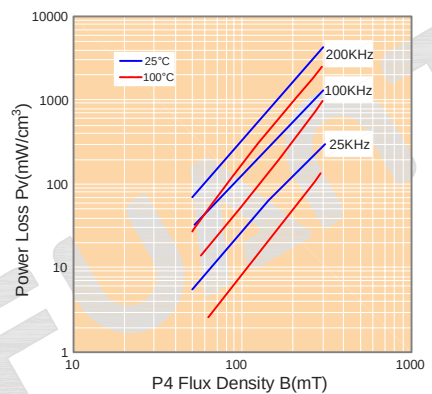
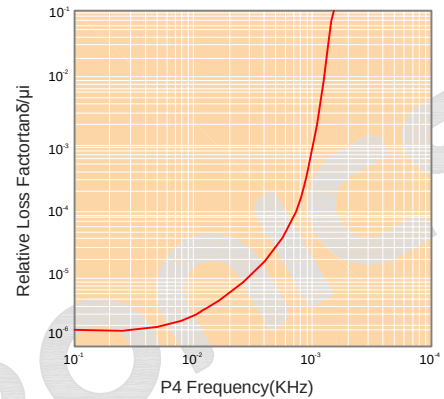
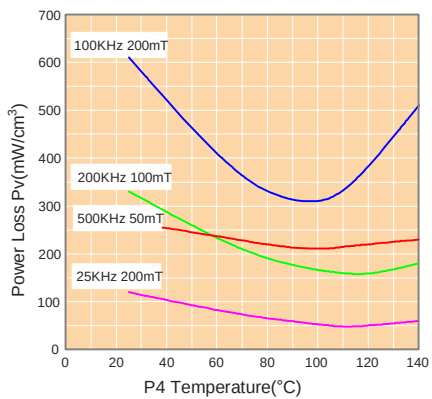
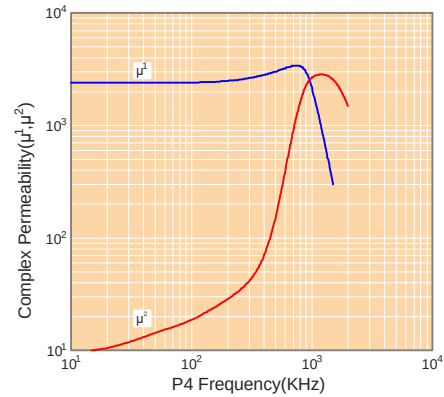
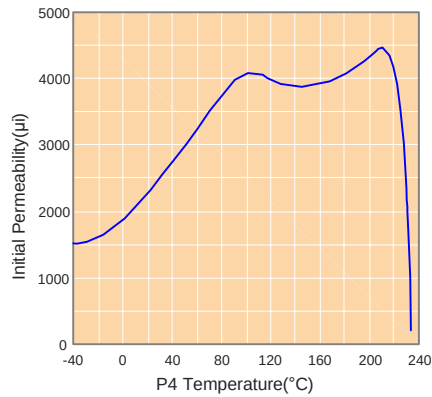
Material Characteristics

Symbol	Conditions		Value
μ_i Initial permeability	10KHz,B<0.25mT	25°C	2400±25%
Bs(mT)	50Hz,1194A/m	25°C	510
Saturation flux density		100°C	390
Br(mT)		25°C	120
Remanence flux density		100°C	85
Hc(A/m)		25°C	13
Coercive force		100°C	6.5
pv(kw/cm³) Power loss	100KHz,200mT	25°C	600
		60°C	400
		100°C	300
		120°C	380
Tc(°C) Curie temperature	10KHz,B<0.25mT		>215
$\rho(\Omega \cdot m)$ Resistivity		25°C	4.0
d(g/cm³) Density		25°C	4.9*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.