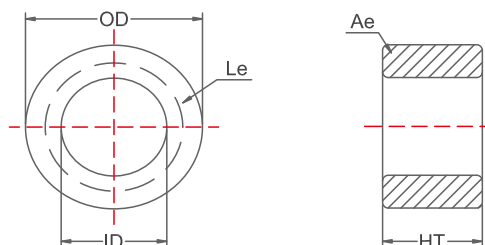


SPECIFICATION FOR APPROVAL

Material

Production:	Iron Powder Cores
FUAN.P/N:	KT50-2/90
AL:	4.9(nH/N ²)(0~+15%)
Material:	-2/90
Coating Color:	Red/Clear
Coating material:	epoxy
Coating Breakdown Voltage:	600V, 0.5mA, 2Sec



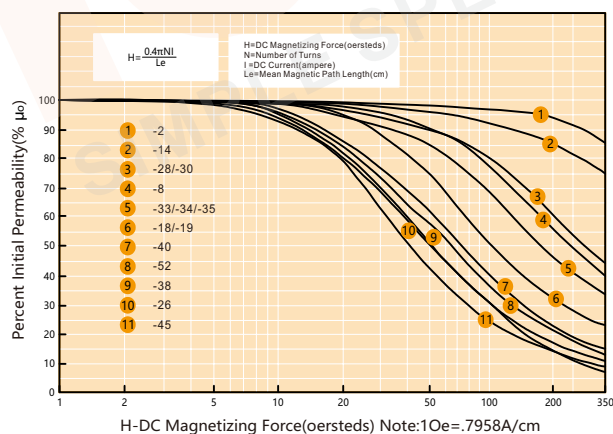
Physical Characteristics

After Coating			Le(cm)	Ae(cm ²)	V(cm ³)	W(cm ²)	Weight (g) (ref.)	Box Quantity (Pieces)
OD mm	ID mm	Ht mm						
12.7±0.60	7.70±0.60	4.83±0.60	3.190	0.112	0.358	0.183	1.83	5500

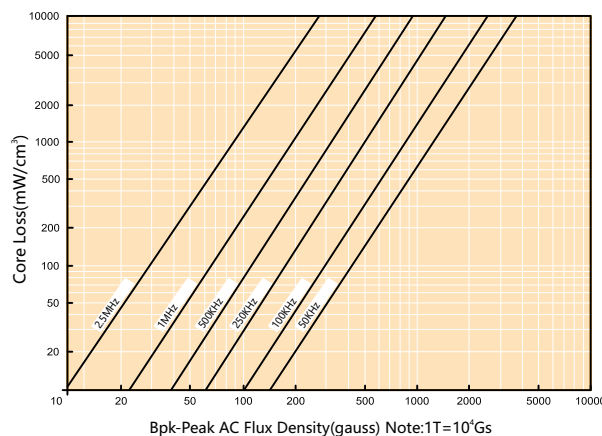
Electrical Parameters(Typical) Temperature(25°C±2°C)

Test Item	Test Condition	Value(Typical)	Test Instrument
Inductance	φ0.29mm/20Ts, 10kHz/1V, I=0A (Evenly full windings)	2.0μH(0~+15%)	CH3302
DC-Bias	φ0.50mm/32Ts, 10kHz/1V, L(4.0A)/L(0A)*100%(H=50Oe) (Evenly full windings)	90%(Min.)	WK3255B+WK3265B
Q	φ0.50mm/32Ts, 200kHz/1V, I=0A (Evenly full windings)	15.0(Min.)	CH3302
Remarks	Set the internal resistance of LCR meter to 100Ω.		

DC-Bias Curves(Typical)



Core Loss Curves(Typical)



Iron Powder Cores is a magnetic core which use traditional production arts, after the pure powder which content of Fe is more than 99% surface insulation coating and then mixed pressed with organic binder. Because it hasn't been conducted in the high temperature, so it's used temperature is -65C ~ +125C. Products including permeability 10ui-100ui, toroid, E type,