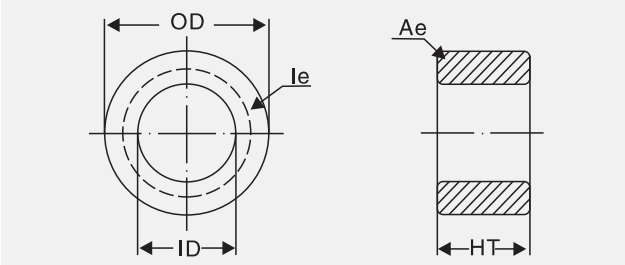
SPECIFICATION FOR APPROVAL

1.Material

Production:	Iron Powder Cores
KDM.P/N:	KT520–35D
A_L:	130(nH/N^2) ± 10%
Material:	–35
Coating Color:	Yellow/Gray
Coating material:	epoxy
Coating Breakdown Voltage:	800Vrms.0.5mA. 2sec



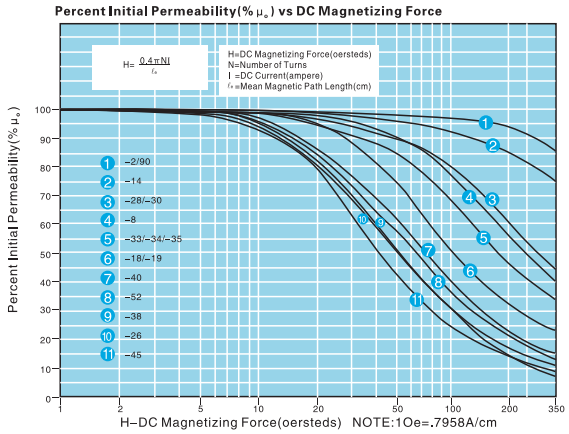
2.Physical Characteristics

After Coating			ℓ_e (cm)	A_e (cm^2)	V (cm^3)	W (cm^2)	Weight	Box Quantity (Pieces)
OD mm	ID mm	Ht mm						
132.00 ± 1.25	78.20 ± 1.25	40.60 ± 1.25	33.100	10.500	347.00	48.004	2212g	4

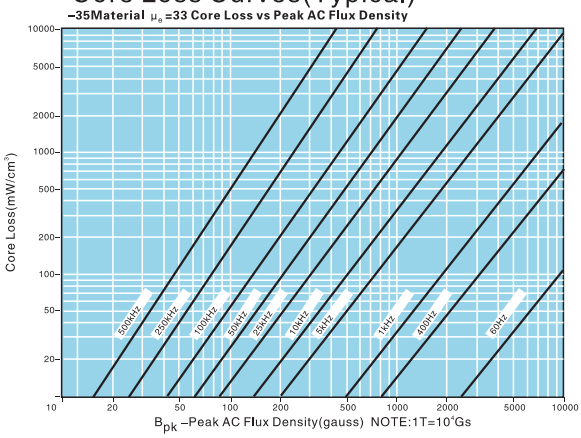
3.Electrical Parameters(Typical) Temperature(25℃ ± 2℃)

Test Item	Test Condition	Value(Typical)
Inductance	ϕ 0.29mm/20Ts, 10kHz/1V, I_{DC}=0A	52.00 μ H ± 10%
DC–Bias	ϕ 0.5mm/132Ts, 10kHz/1V, L(10A)/L(0A) × 100%(H_{DC}=50Oe)	76%(Min.)
Core Loss	50kHz/225Gs	150mW/cm^3(Max.)
Q	ϕ 0.29mm/20Ts, 200kHz/1V, I_{DC}=0A	15.0(Min.)
Remarks		

DC–Bias Curves(Typical)



Core Loss Curves(Typical)



Prodin Ferrite S.L.

CalleA, 27, 08620 Sant Vicenç dels Horts, Barcelona (Spain)
Tel.: +34 93 672 46 10
info@prodinferrite.com www.prodinferrite.com