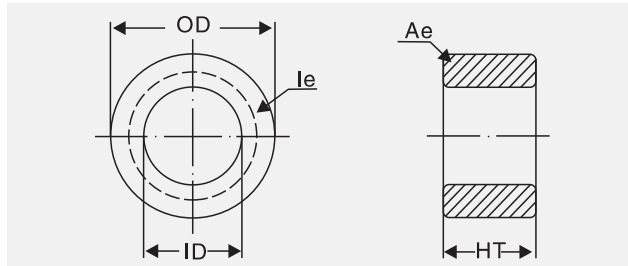


SPECIFICATION FOR APPROVAL

1. Material

Production:	Iron Powder Cores
KDM.P/N:	KT520-40D
A_L :	$240(\text{nH/N}^2) \pm 10\%$
Material:	-40
Coating Color:	Green/Yellow
Coating material:	epoxy
Coating Breakdown Voltage:	800Vrms.0.5mA.2sec



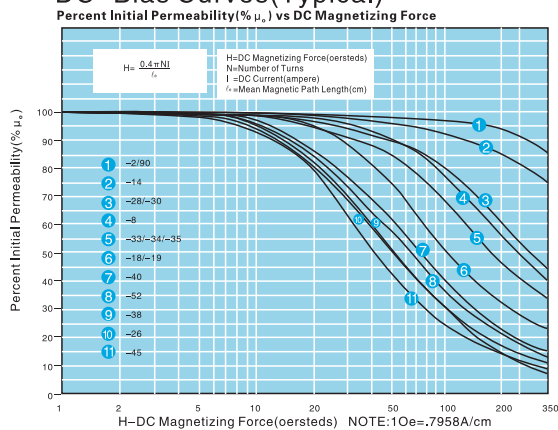
2. Physical Characteristics

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						
132.0 ± 1.25	78.20 ± 1.25	40.60 ± 1.25	33.100	10.500	347.00	48.005	2490.1g	4

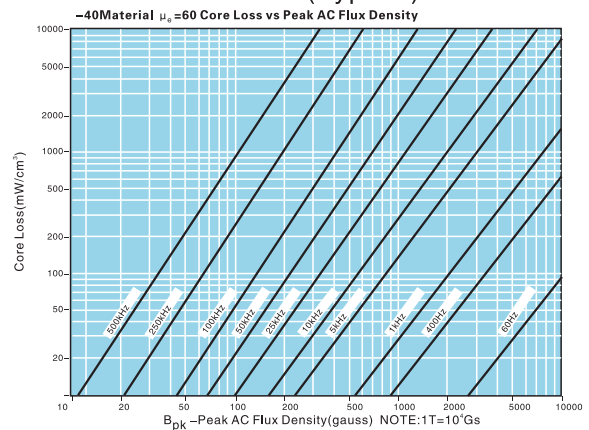
3. Electrical Parameters(Typical) Temperature(25°C ± 2°C)

Test Item	Test Condition	Value(Typical)
Inductance	ϕ 0.29mm/10Ts, 10kHz/1V, $I_{DC}=0A$	24.00 μ H ± 10%
DC-Bias	ϕ 0.5mm/132Ts, 10kHz/1V, L(10A)/L(0A) × 100%($H_{DC}=50Oe$)	56%(Min.)
Core Loss	100kHz/140Gs	115mW/cm ³ (Max.)
Q	ϕ 0.29mm/10Ts, 200kHz/1V, $I_{DC}=0A$	6(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