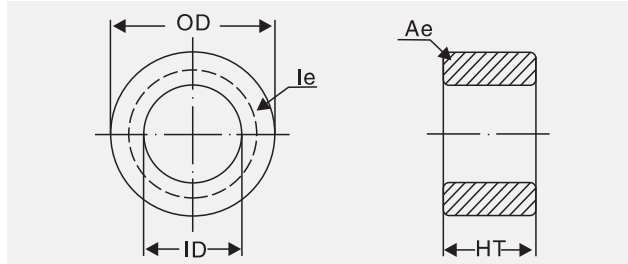


# SPECIFICATION FOR APPROVAL

## 1. Material

Production:	Iron Powder Cores
KDM.P/N:	KT25-52
$A_L$ :	$23(nH/N^2) \pm 10\%$
Material:	-52
Coating Color:	Green/Blue
Coating material:	epoxy
Coating Breakdown Voltage:	600Vrms.0.5mA.2sec



## 2. Physical Characteristics

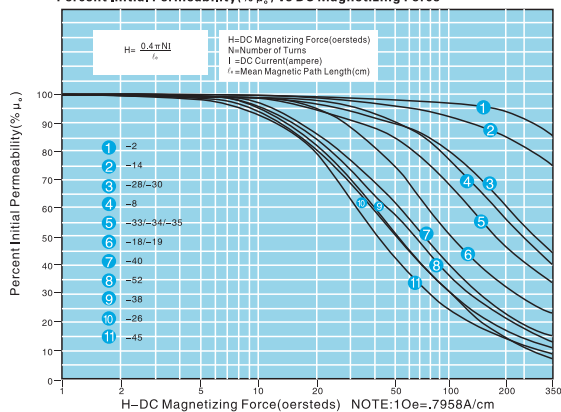
After Coating			$l_e$ (cm)	$A_e$ (cm <sup>2</sup> )	V (cm <sup>3</sup> )	W (cm <sup>2</sup> )	Weight	Box Quantity (Pieces)
OD mm	ID mm	Ht mm						
6.48 ± 0.50	3.05 ± 0.50	2.44 ± 0.50	1.500	0.037	0.055	0.073	0.46g	30000

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

Test Item	Test Condition	Value(Typical)
Inductance	$\phi$ 0.29mm/10Ts, 10kHz/1V, $I_{DC}=0A$	2.30 $\mu$ H ± 10%
DC-Bias	$\phi$ 0.5mm/15Ts, 10kHz/1V, L(4.0A)/L(0A) × 100%( $H_{DC}=50Oe$ )	53%(Min.)
Core Loss	100kHz/140Gs	67mW/cm <sup>3</sup> (Max.)
Q	$\phi$ 0.29mm/10Ts, 200kHz/1V, $I_{DC}=0A$	16(Min.)
Remarks		

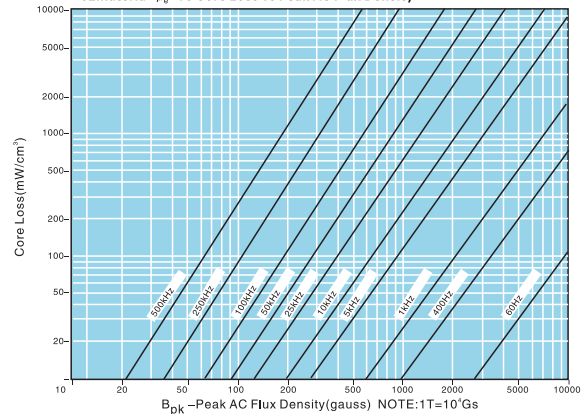
### DC-Bias Curves(Typical)

磁导率初值百分率与DC磁化力关系曲线  
Percent Initial Permeability(%  $\mu_r$ ) vs DC Magnetizing Force



### Core Loss Curves(Typical)

-52材磁芯损耗与AC峰值磁通密度关系曲线  
-52Material  $\mu_r=75$  Core Loss vs Peak AC Flux Density



**Prodin Ferrite S.L.**

Calle A, 27, 08620 Sant Vicenç dels Horts, Barcelona (Spain)

Tel.: +34 93 672 46 10

[info@prodinferrite.com](mailto:info@prodinferrite.com) [www.prodinferrite.com](http://www.prodinferrite.com)