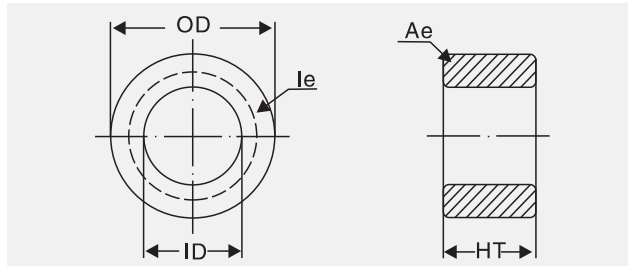


# SPECIFICATION FOR APPROVAL

## 1. Material

Production:	Iron Powder Cores
KDM.P/N:	KT400-52
$A_L$ :	$131 \text{ (nH/N}^2) \pm 10\%$
Material:	-52
Coating Color:	Green/Blue
Coating material:	epoxy
Coating Breakdown Voltage:	800Vrms.0.5mA.2sec



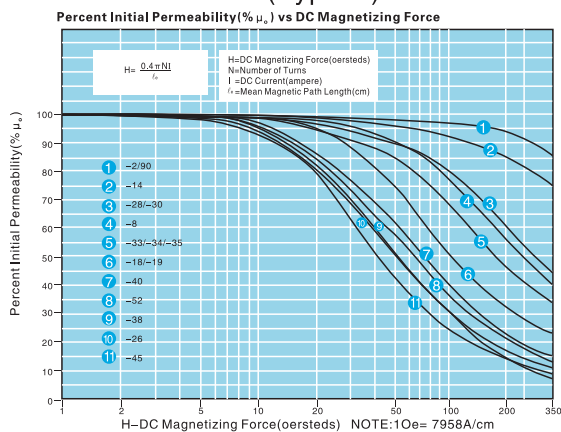
## 2. Physical Characteristics

After Coating			$\ell_e$ (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						
102.0 ± 0.75	57.2 ± 0.75	16.50 ± 0.75	25.000	3.460	86.400	25.684	638.1g	30

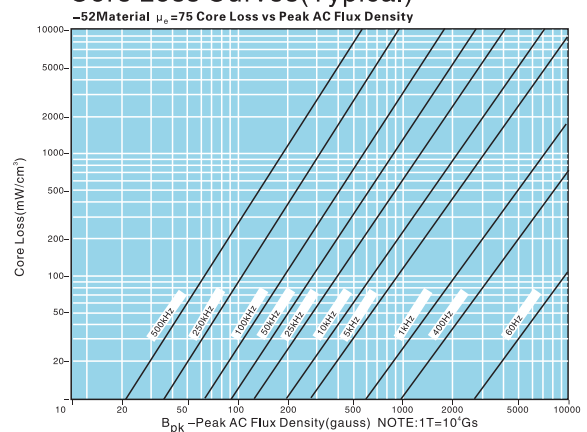
## 3. Electrical Parameters(Typical) Temperature(25°C ± 2°C)

Test Item	Test Condition	Value(Typical)
Inductance	$\phi$ 0.29mm/10Ts, 10kHz/1V, $I_{DC}=0A$	13.10 $\mu$ H ± 10%
DC-Bias	$\phi$ 0.5mm/100Ts, 10kHz/1V, L(10.0A)/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)



### Core Loss Curves(Typical)



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