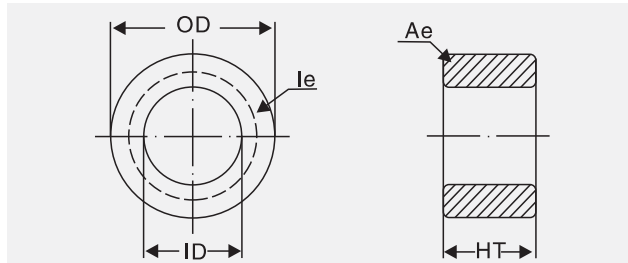


# SPECIFICATION FOR APPROVAL

## 1. Material

Production:	Iron Powder Cores
P/N:	T300-52D
$A_L$ :	$160(\text{nH}/\text{N}^2) \pm 10\%$
Material:	-52
Coating Color:	Green/Blue
Coating material:	epoxy
Coating Breakdown Voltage:	800Vrms.0.5mA. 2sec



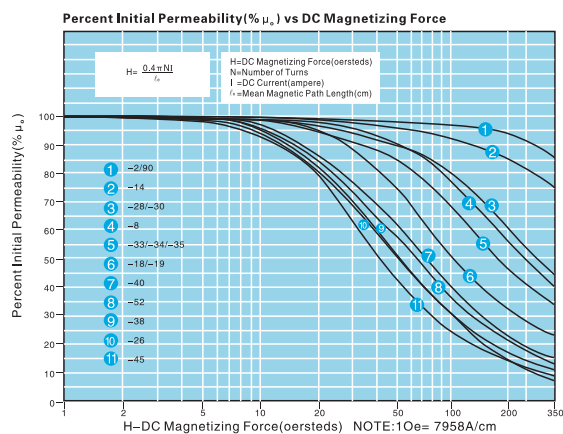
## 2. Physical Characteristics

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						
77.20 ± 0.75	49.00 ± 0.75	25.40 ± 0.75	19.800	3.380	67.000	18.847	479g	36

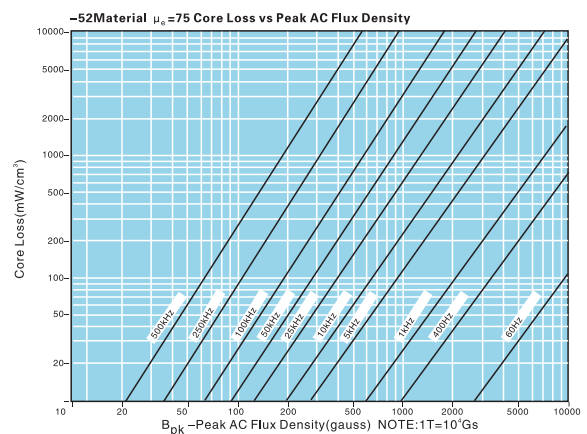
## 3. Electrical Parameters(Typical) Temperature(25°C ± 2°C)

Test Item	Test Condition	Value(Typical)
Inductance	$\phi$ 0.29mm/10Ts, 10kHz/1V, $I_{DC}=0A$	16.00 $\mu$ H ± 10%
DC-Bias	$\phi$ 0.5mm/113Ts, 10kHz/1V, L(7.0A)/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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