



## SPECIFICATION FOR APPROVAL

- **Customer:** LEPCOS Ltd

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- **Production:** Iron Powder Cores

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- **KDM.P/N:** KT520-52

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- **Customer.P/N:**

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- **Version :** A0

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- **Date:** 2017.06.16

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CUSTOMER'S SIGNATURE		REFERENCE
APPROVED BY	CHECKED BY	1.Please seal back after approval within 5 working days,otherwise this approval sheet should be taken as OQC standard for the subsequent orders. 2.Please use KDM.P/N in the subsequent orders.THANKS!

- Samples are only for test,product sepecification accords with the product approval

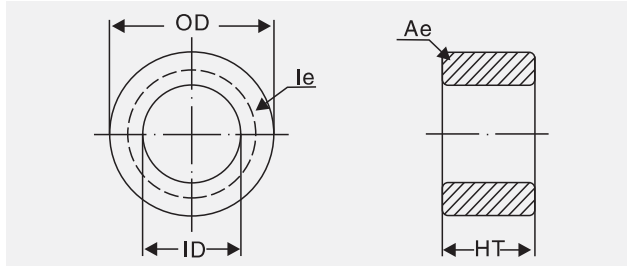




# SPECIFICATION FOR APPROVAL

## 1. Material

Production:	Iron Powder Cores
KDM.P/N:	KT520-52
$A_L$ :	137(nH/N <sup>2</sup> ) ± 10%
Material:	-52
Coating Color:	Green/Blue
Coating material:	epoxy
Coating Breakdown Voltage:	800Vrms.0.5mA.2sec



## 2. Physical Characteristics

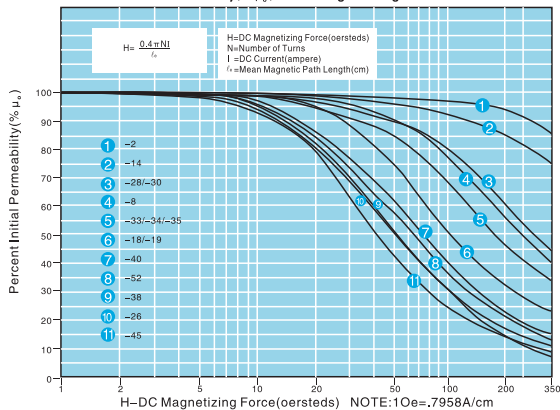
After Coating			$\ell_e$ (cm)	$A_e$ (cm <sup>2</sup> )	V (cm <sup>3</sup> )	W (cm <sup>2</sup> )	Weight	Box Quantity (Pieces)
OD mm	ID mm	Ht mm						
132.00 ± 1.25	78.20 ± 1.25	20.30 ± 1.25	33.100	5.240	173.00	48.005	1241.5g	8

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

Test Item	Test Condition	Value(Typical)
Inductance	$\phi$ 0.29mm/10Ts, 10kHz/1V, $I_{DC}=0A$	13.70 $\mu$ H ± 10%
DC-Bias	$\phi$ 0.5mm/132Ts, 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		

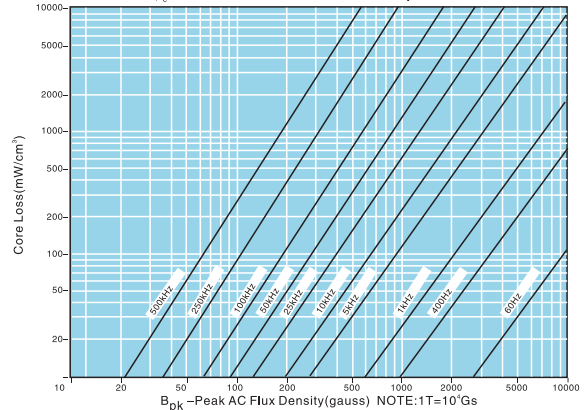
DC-Bias Curves(Typical)

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



Version	Customer P/N	APPROVED BY	CHECKED BY	DESIGNED BY
A0		Xuan Yun Gang	Shen Jia Wei	Shen Jia Li