承 認 書

SPECIFICATION FOR APPROVAL

客戶名稱 CUSTOMER	鑫源洋
品名規格 DESCRIPTION	EE16/15/8　PC95
客戶料號 DUS.P/N	
提出日期 DATE	2016-9-9

出　圖	

承　認 CUSTOMER　APPROVE

变更履历

CHANGE RECORD

变更内容 DESCRIPTION	变更日期 Date	变更理由 REASON	变更担当 PERSON IN CHARGE
新版次	2016-9-9		冯劲松

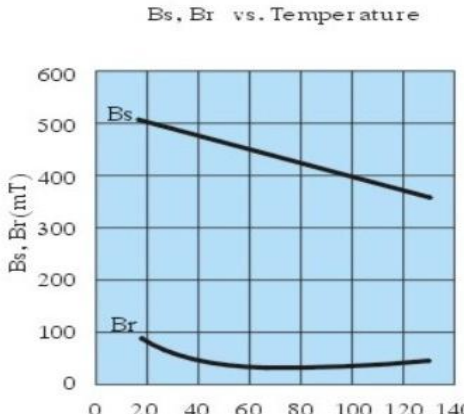
软磁铁氧体材料特性表

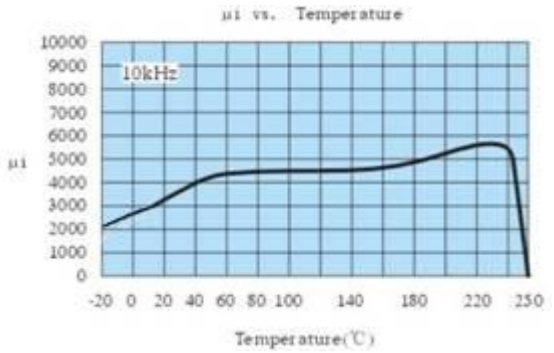
Soft ferrite core material charactertics

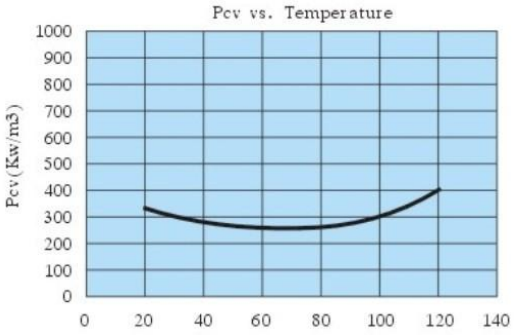
- P系列
- P series

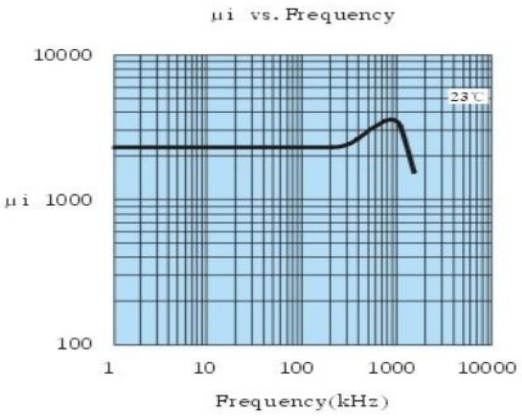
	单位 Unit	测试条件 Measuring Conditions		● PC95
测试产品 TEST CORE		T25-15-10		
初始磁导率 μi Initial permeability	-	1kHz	23±2℃	3300 ±25%
磁损耗 Pc Core loss	mW/cm³	100kHz 200mT	25℃	350
			80℃	280
			100℃	290
饱和磁感应强度 Bs Saturation magenetic flux density	mT	1194A/m	25℃	520
			100℃	420
剩磁 Br Retentivity	mT		25℃	95
			100℃	55
矫顽力 Hc Coercivity	A/m		25℃	14.3
			100℃	8.8
居里温度 Tc Curie temperature	℃			>220
电阻率 ρ Resistivity	Ω.m			6.5
密度 d Apparent dns ity	g/cm³			4.8

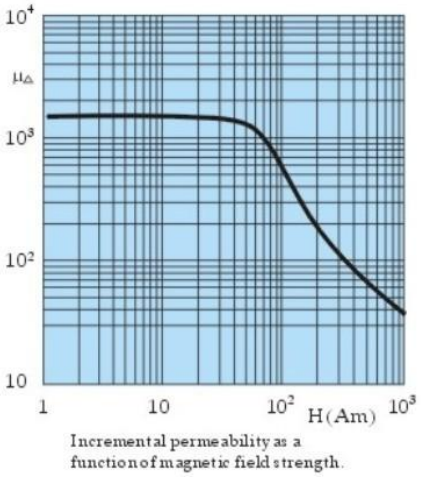
- PC95 锰锌材料特性图



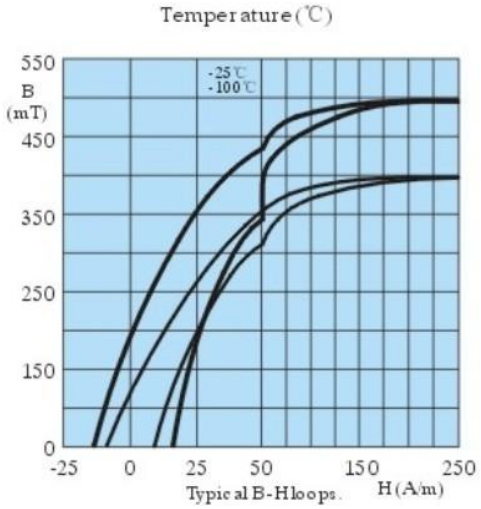








Incremental permeability as a function of magnetic field strength.



Typical B-H loops.

電磁性能和機械性能

Electromagnetic And Mechanical Property

1 電感系数

Inductance factor AL

$$AL=1800\pm25\%nH/N^2$$

Inductance

測試條件和儀器

Test Condition And Equipment

- 測試溫度 T=25±2℃
  Test Temperature
- 測試頻率和電壓 f=1.0KHz; V=0.25V
  Test Frequency And Voltage
- 測試線圈 10Ts
  Test Coil ¢0.31
- *氣隙厚度
  Gap Size
- 測試儀器 3302
  Test Equipment

2 功率損耗

Power Loss

- 功率損耗 Pcm≤120(mW/g)
- Power Loss per gram

測試條件和測試儀器

Test Condition And Equipment

- 測試溫度 T =100±2℃
  Test Temperature
- 測試頻率 f=100KHz;
  Test Frequency
- 峰值磁通密度 Bm=200mT
  Peak Flux Density
- 測試線圈 ¢0.31*10Ts
  Test Coil
  測試儀器 2335A
  Test Equipment

外觀要求

APPEARANCE REQUIREMENT

- 磁芯表面清潔、色澤均匀、光滑、無明顯的疏松現象,磨加工面應平整。

  The surface of the core should be clean,smooth and no loose area,the color must be showing non apparent difference and the ground surface must be flat.

- 對于磁芯的掉塊，配合面上，掉塊的大小不得超過所在面線度的 0.4%；非配合面上，掉塊的大小不得超過所在面線度的 0.15%；二者深度不得超過 0.2mm，數量分別不得超過一處。

  The chips on the ground surface,its length shouldn′t be more than 0.4%length of its direction extend line on the same surface;The chips on the other surface:its length shouldn′t bemore than 1/10length of its direction extend line on the same surface.The depth of all the chips shouldn′t be more than 0.2mm,the quantity of chips shouldn′t bemore than 1 points.

- 不允許有影響使用的毛刺存在。

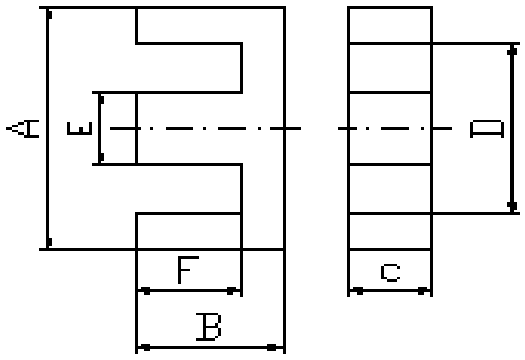
  There shouldn′t be any thorns on the core,which influence the practical use of the core.

- 采用目測（或與樣件比較）和精度不低于 0.02mm 的卡尺檢查。

  Inspection equipment:Use eyesight(or sample compare)and slid gauge(high precision,not more than 0.02mm).

外形和尺寸

OUTERLINE AND DIMENSIONNS



A	16.00±0.30
B	7.50±0.20
C	8.00±0.20
D	11.70MIN
E	4.00±0.20
F	5.50±0.20
|A-A`|	≤0.25mm

磁芯常數 Core Factor C1(mm^{-1})	有效磁路長度 Effective Length Le(mm)	有效截面積 Effective area Ae(mm^2)	有效體積 Effective Volume Ve(mm^3)
1.16	37.11	31.8	1180.2

INSPECTION RULE

- 產品的驗收規則按 GB2828《逐批檢查計數抽樣程序及抽樣表》的依次抽樣方案的規定進行，電磁性能特殊檢查水平為 S-3，合格質量水平 AQL 為 0.65，其他項目為一般檢查水平Ⅱ.合格質量水平 AQL 為 1.5。

  Product inspection should be done according to the rules of first time sampling plan which included in standard of GB2828“sampling procedures and tables for lot-by-lot inspection by attributes”.The especial inspection level of electromagnetic as:S-3,AQL=0.65;The other term as general inspection level as: Ⅱ ,AQL=1.5.

- 客戶在接收到磁芯產品后十天內須驗收完畢，并請將驗收結果書面通知供貨方，否則，視為已驗收合格。

  The customer should finish the work of inspection within 10days after received the cores and please send the Result of inspection to the supplier in report as quickly as possible.If no report was given to the supplier,the cores be treated as qualified products.

說明

NOTE

- 本承認書的數據更改須經雙方確認，任一方單獨修改無效。

  Any revise to the contents this Approval Application must be confirmed by the customer and the supplier,otherwise the revise is invalid.

- 本承認書一式二份，確認后請返回一份原件。

  After the customer has confirmed Approval Application(tatal 2 books),please send 1 book to supplier.