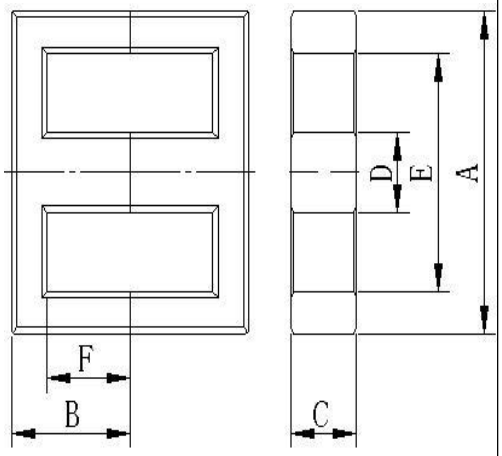
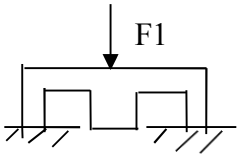
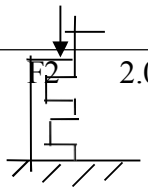
一、交收检验 EE16-6-5 FTP44

项目	名称	技术要求					测试仪器 TESTINGINSTRUMENT
1	外形尺寸 (mm)	A	16.00 ± 0.40				0-125mm 游标卡尺
		B	6.30 ± 0.15				
		C	4.70 ± 0.20				
		D	4.15 ± 0.15				
		E	11.50min				
		F	4.20 ± 0.15				
		B-F	2.10 ± 0.15				
		边脚壁厚					
2	有效磁芯参数 (mm)	Ae mm^2	Le mm	Ve mm^3	∑L/A mm^{-1}	成品重量 g/prs	
		20.67	31.12	643.5			
3	电感 (mH)	AL=1300 ± 25%nH/N2 1KHz,0.3V,10t					TH2819-A
4	功率损耗 kw/m^3	≦750		100KHZ200mT, N=10T			GHY-5 Analyzer
		≦430					
5	直流叠加						1062LCZMETER/ TH1773DC
6	机械强度 NMECHANICALSTRENGTH	F1 > 50N		加压速度: 20mm/min			XL-100A
		F2 > 40N			 2.0mm		

二、FTP44材料特性 FTP44MaterialCharacteristics

初始磁导率μInitialPermeability	2300±25% @25℃	密度dDensity	4.75g/cm3
剩余磁通密度BrRemanenceFlux Density	85mT @25℃	矫顽力HcEffective Coercivity	9.5A/m@25℃
	60mT @100℃		6.5A/m@100℃
材料损耗PcCoreLoss@100kHz 200Mt	600 kW/m³ @25℃	居里温度Tc	≥220℃
	350/m³ @100℃		
饱和磁通密度Bs 1194A/mSaturationMagneticFluxDensity	530mT @25℃	电阻率ρ ElectricalResistivity	6.0Ω·m
	410mT @100℃		

备注：测量值是用25*15*10mm标准样环测试，所列值均为典型值，不含客户特殊要求；有特殊要求时，应在协议中给以明确。
Remarks:Values measuredon25*15*10referencetoroidal.,The above typical data are calculated from the standard toroid core. Specific performance of the product will be adjusted on this basis.

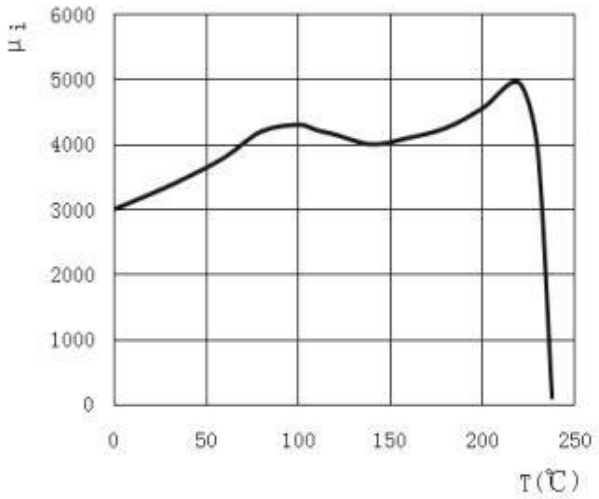


Fig1 Permeability vs. Temperature

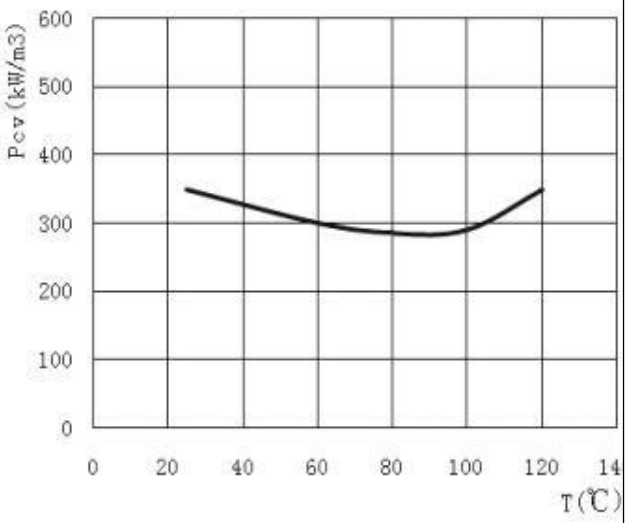


Fig. 2 Power Loss(100kHz, 200mT) vs. Temperatur

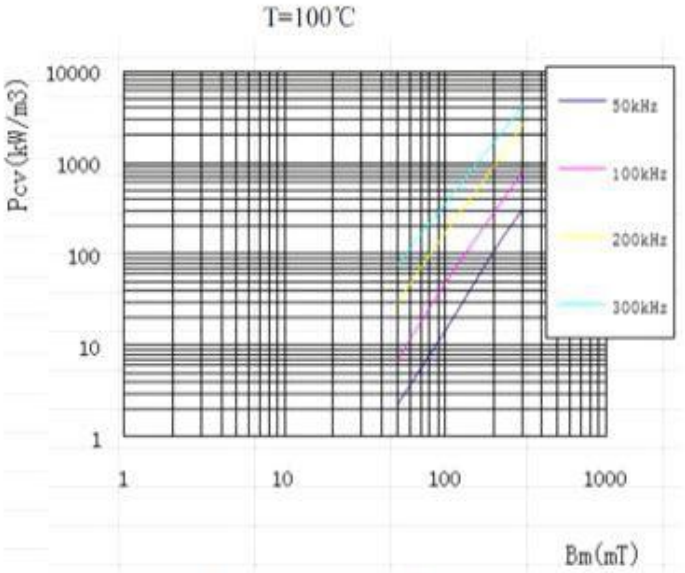


Fig. 3 Power Loss vs. Flux Density

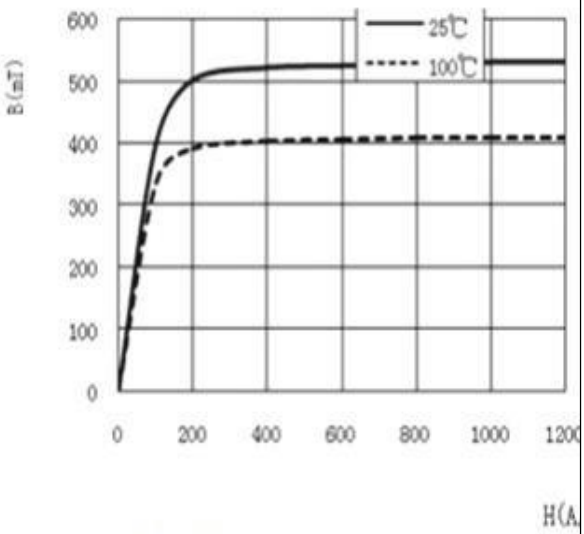


Fig. 4 Magnetization Curves

三、外观要求APPERANCEREQUIREMENT

. 磁芯表面清洁，色泽均匀，光滑，无明显的疏松现象，磨加工表面应平整。

Thesurfaceofthecoreshouldbeclean|,smoothandnoloosearea,the colormustbeshowingdi ferenceandthegroundsurfacemustbeflat.

. 对于磁芯的掉块，接合面上掉块面积不得超过所在面的1/6；非接合面上掉块的面积不超过所在面的1/5；深度不超过0.5mm，数量不超过二处，接合面上总掉块面积不超过1.5mm²，非接合面上掉块面积不超过2.5mm²。

Thechipsonthegroundsurface， itslengthshouldn'tbemorethan1/6lengthofitsdirectionextendlineonthesamesurface， Thechips onthe other surface， its length shouldn't be more than 1/5 length of its direction extend line on the same surface。The depth of all the chips shouldn't be more than 0.5mm，the quantity of the chips shouldn't be more than 2 points。Theareaofthechipsonthegroundsurfaceshouldn'tbe morethan1.5mm²， theareaofthechipsontheothersurfaceshouldn'tbemorethan2.5mm²。

. 对于磁芯的开裂，整个磁芯裂缝的宽度不超过0.1mm，长度不超过该方向最大线度的1/5，数量不超过一处，并且这一裂缝不应该影响到磁芯的电气性能和机械强度。

Thecrackonthecore,itswidthshouldn't bemorethan0.1mm,itslengthshouldn't bemorethan1/5lengthofitsdirectionextendlineon thesamesurface.Thequantityofthecrackonthecoreshouldn'tbemorethan1pointandthiscrackshouldn'tinfluenceanyelectromagneticand mechanicalstrengthproperties.

. 不允许有影响使用的毛刺存在.

Thereshouldn'tbeanythornsonthecorewhichinfluencethepracticaluseofthecore.

. 采用目测(或与试样比较)和精度不低于0.02 的游标卡尺的检查.

Inspectionequipment:Useeyesight(orsamplecompare)andslidegauge(highprecision,notmorethan0.02mm).

四、验收规则 INSPECTIONRULE

. 每批按 GB 2828-2003（ MIL-STD-105E）一般检查水平Ⅱ，采用一次计数型抽样方案进行检查；AQL 值:电性能0.65,外观尺寸1.0,外观质量1.5 。

Each batch according to GB 2828-2003 (MIL-STD-105E) general inspection level Ⅱ, using a count-based sampling plan for inspection; AQL value: 0.65 electrical properties, the appearance of size 1.0, the appearance of quality 1.5.

. 客户在接收到磁芯产品后一个月内必须验收完毕并请将验收结果书面通知供货方,否则视为已验收合格.

Thecustomershouldfinishtheworkofcoresinspectionin1monthsafterreceivedthecoresandpleasesendtheresultsofcoresinspectiontothesupplierinreportassoonas possible,ifnoreportgiventothesupplier,thecorewouldbetreatedasqualifiedproducts.

. 产品接受后请按经双方确认的承认书上的技术标准验收。如对我司供货产品再进行研磨，研磨后出现电感和电感一致性不合格，或外观缺陷等造成的损失，我司不承担相应责任。

. After thecustomer receive the product,productinspectionshouldbedoneaccording to the acknowledgmentbook whichboth sides confirmed.Ifthecustomer reginding the cores lead to the unqualified inductance and inductance uniformity, or thesurfects and soon and creat the loss.The supplierdoesnot undertaketheresonsibility.

五、说明 NOTE

(1)本承认书的数据更改需经双方确认，任何一方单独修改无效。

Any revise to the contents in this Approval Application must be confirmed by the customer and the supplier,other wise the revise is in valid.

(2)本承认书一式 2 份，确认后请返回一份原件。

After the customer has confirmed Approval Application(total 2 books),please send 1 book to suppli