

FERRITE CORE

磁环



GFC SERIES



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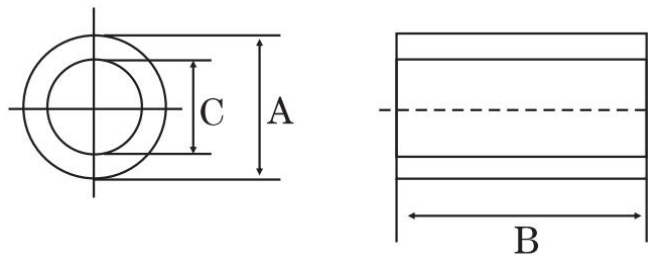
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PRODUCT IDENTIFICATION 产品型号

GFC 120720 ZA 01
 ① ② ③ ④

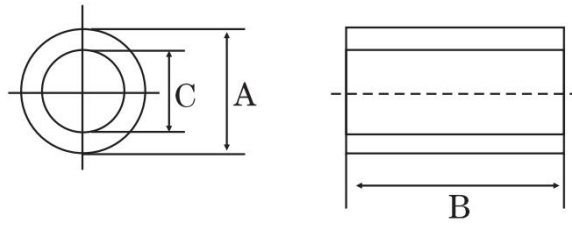
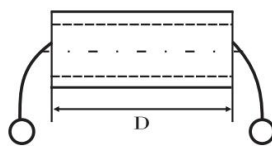
①Product Series Code 产品系列码	GFC	Ferrite Core 磁环
②Size Code 尺寸码	120720	外径×内径×高 (A×C×B) (mm) 12×6.5×20
③Material Code 材质代号	--	ZA
④Design Code 设计代码	01	01

SHAPE AND DIMENSIONS 外观尺寸


SIZE 尺寸	A 外径 mm	C 内径 mm	B 高 mm
120720	12±0.5	6.5±0.5	20±0.6

项目 Item	标准值 Standard value
一处缺陷的面积 Area of a breakage	≤ 1mm ²
总缺陷面积 All area of the breakage	≤ 2mm ²
缺陷深度 The depth of the breakage	≤ 0.4mm
毛刺长度 The length of burr	≤ 0.2mm

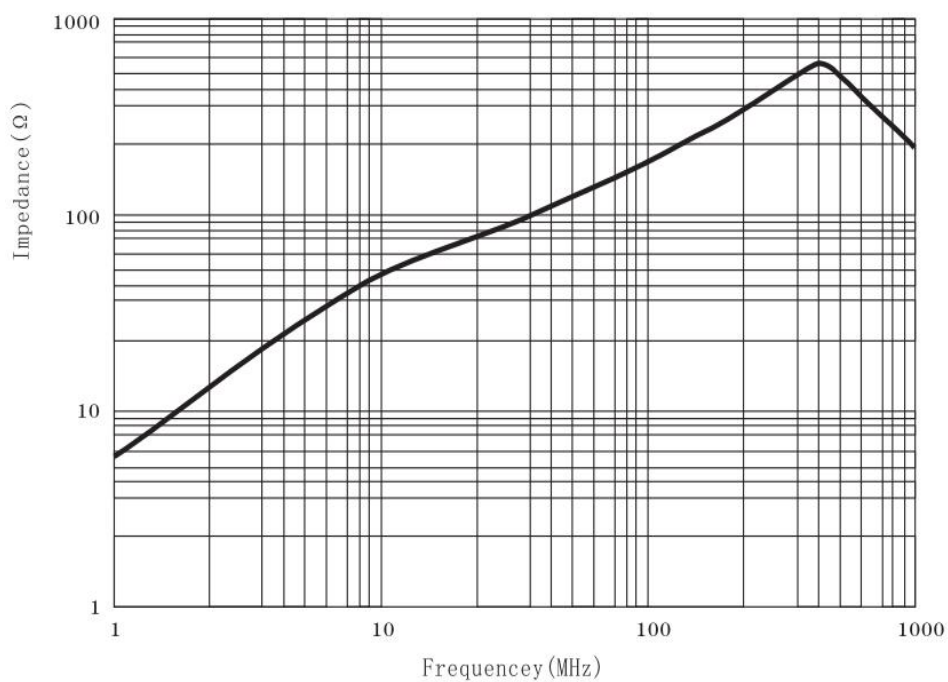
INSPECTION DATA 检验数据

客户名称 CUSTOMER	/				日期 DATE	/				数量 QUANTITY	10pcs	
编号 NO.	/											
规格 ITEM	GFC120720ZA01											
线组 WINDING	$\phi 0.5 \times 0.5 \text{TS} \times 100 \text{L}(\text{mm})$											
测试频率 TEST FREQ	Z1/25MHz Z2/100MHz											
	Z3		Z4									
温度 TEMP	°C		湿度 HUMI	%								
项目 Test Item	Q	L	Z1	Z2	Z3	Z4	A	B	C	D	E	F
			70	120			12	20	6.5			
			Min.	Min.			± 0.5	± 0.6	± 0.5			
1			85.6	175.6			11.89	20.01	6.69			
2			85.8	175.8			11.79	19.96	6.66			
3			85.2	175.2			11.82	19.95	6.75			
4			85.5	175.4			11.84	20.03	6.75			
5			85.2	174.0			11.81	20.05	6.72			
6			85.0	174.6			11.92	20.02	6.84			
7			85.6	174.2			11.88	19.98	6.83			
8			85.4	174.4			11.90	19.99	6.80			
9			85.2	175.6			11.96	19.97	6.77			
10			85.4	174.8			11.94	20.05	6.69			
X			85.78	174.96			11.87	20.01	6.75			
Result			OK	OK			OK	OK	OK			
测试仪器 TEST INSTRUMENTS												
HP 4191A												

ELECTRICAL CHARACTERISTICS 电气特性

初始磁导率 Initial Permeability	比损耗因子 Relative Loss Factor	比温度系数 Relative Temperature Coefficient	饱和磁通密度 Saturation Magnetic Flux Density	剩磁 Remanence	矫顽力 Coercivity	居里温度 Curie Temperature	电阻率 Electrical Resistivity	使用范围 Applied Frequency Range	密度 Density
μ_i $\pm 20\%$	$Tan\delta / \mu_i$ $\times 10^{-6}$	$\alpha\mu_i\gamma$ $\times 10^{-6}$	B_s (MT)	B_r (MT)	HC (A/m)	T_c ($^{\circ}C$)	ρ ($\Omega \cdot m$)	F MHz	d g/cm^3
650	20(0.1MHz)	2-5	330	150	35	>110	$> 10^{-5}$	0.1-1.5	4.9

IMPEDANCE vs. FREQUENCY



测试条件 Testing Condition	
1.测试仪器 Testing Equipment	HP4191A
2.测试频率区间 Testing Frequency Range	1~1000MHz
3.测试线组 Testing Coil Specification	$\phi 0.5 \times 0.5TS \times 100 L(mm)$