

UN-F17T14X7X8

ROHS

铁氧体锰锌磁环(Ferrite Mn-Zn Magnetic Ring)

电气要求/Electrical Requirement

◆ 电感/Inductance:

$L \geq 4.0\mu\text{H}$ at 1kHz/0.25V

测试要求/Test Requirements

◆ 测试环境/Test environment:

温度/Temperature: $25 \pm 3^\circ\text{C}$

湿度/Humidity: $60 \pm 20\%$

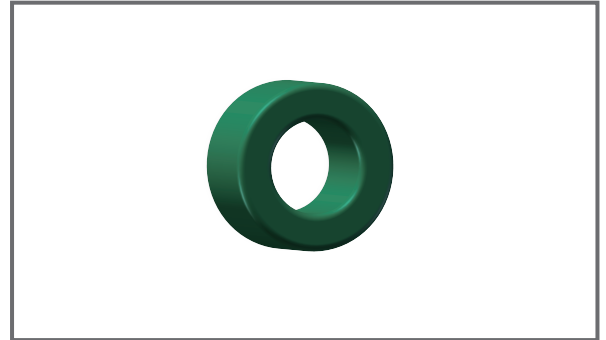
◆ 测试条件/Test Conditions:

导线/Wire: $\Phi 0.5\text{mm}$ 漆包线/Enameled wire

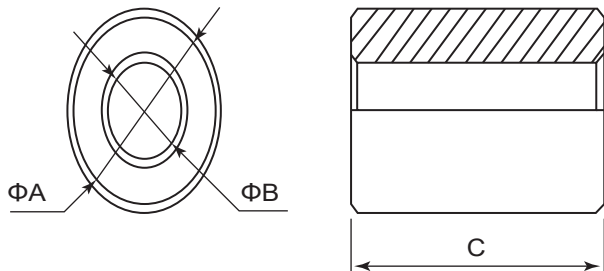
匝数/Number of turns: 0.5圈/Laps



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尺寸 (单位: 毫米) /Dimension(unit:mm)



符号/Symbol	毫米/Millimeters
A	14.0 ± 0.4
B	8.0 ± 0.3
C	7.0 ± 0.3

克重/Weight: 3.3g(REF.)

外观/Appearance

项目/Item	标准值/Standard value
一处缺陷面积/Area of a breakage	$\leq 1.0\text{mm}^2$
总缺陷面积/ALL area of the breakage	$\leq 2.0\text{mm}^2$
缺陷深度/The depth of the breakage	$\leq 0.4\text{mm}$
毛刺长度/The length of burr	$\leq 0.2\text{mm}$

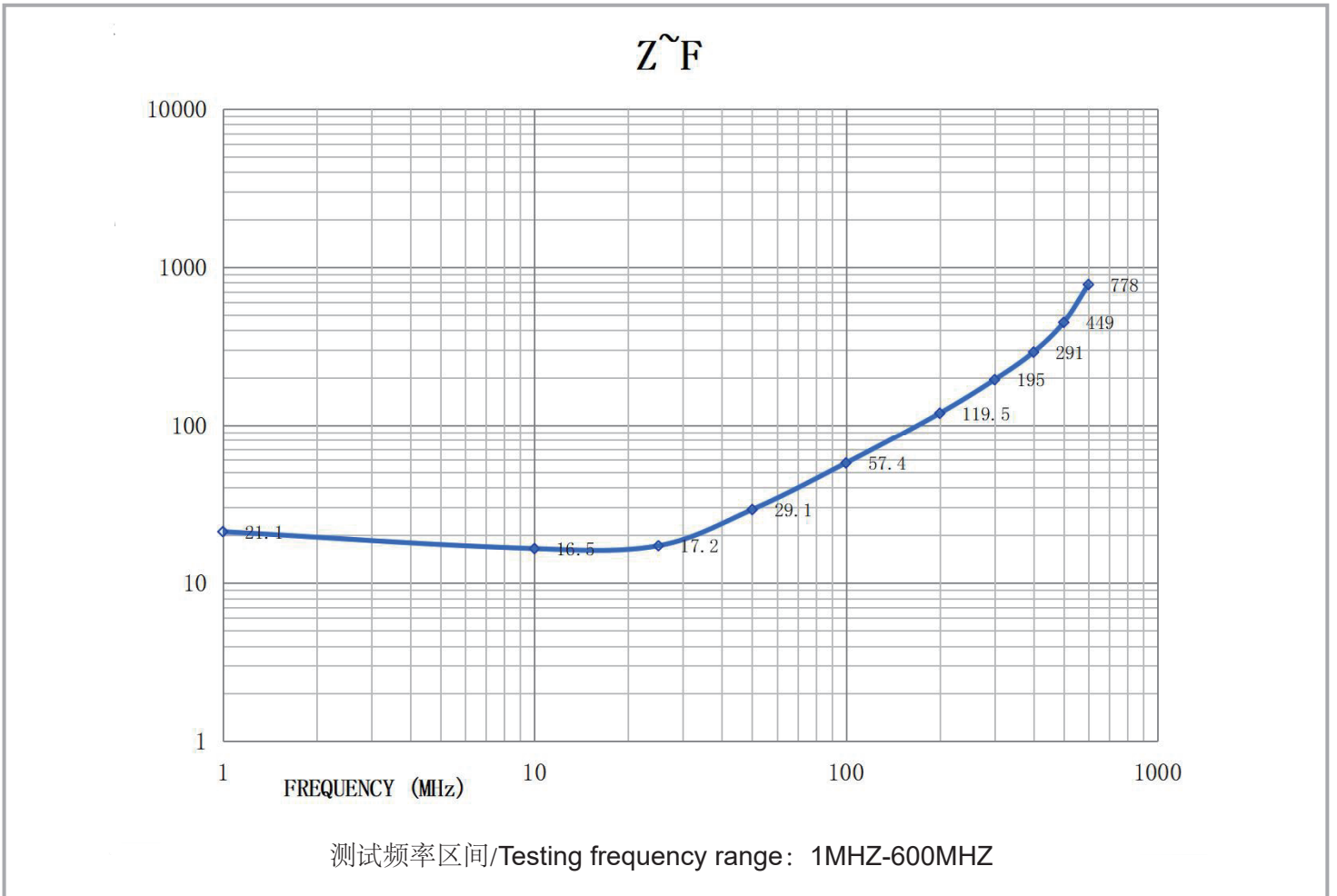
材质特性/Material Characteristics

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	$\tan\delta/\mu_i$	$\alpha\mu_i\gamma$	B_s	B_r	HC	T_c	ρ	F	d
$\pm 20\%$	$\times 10^{-6}$	$\times 10^{-6}$	(MT)	(MT)	(A/m)	($^{\circ}\text{C}$)	($\Omega\cdot\text{m}$)	(Mhz)	(g/cm^3)
7000	<30 (0.1MHz)	-0.5~2.0	420 (1194A/m)	110	7.0	>125	0.2	<0.1	4.9

实测数据/Measured Data

编号 No.	电感值(μH) Inductance	尺寸(mm) Dimension		
	L	A	B	C
1	5.80	14.02	8.10	6.98
2	5.79	13.99	8.11	6.97
3	5.82	14.06	8.09	7.00
4	5.81	14.03	8.12	6.96
5	5.79	14.01	8.08	6.97
6	5.82	14.06	8.06	7.00
7	5.78	13.98	8.12	7.00
8	5.77	13.95	8.12	6.95
9	5.82	14.06	8.08	6.97
10	5.81	14.05	8.08	7.00

特性曲线 (仅供参考) / Characteristic Curve (for reference only)



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