UN-UT2610PZ1

ROHS

纳米合金铁芯(Nano-alloy Core)

www.unsemi.com.tw

电气要求/Electrical Requirements

◆ **电感/Inductance：**

L≥35μH at 1kHZ/0.1V

测试要求/Test Requirements

◆ **测试环境/Test environment：**

温度/Temperature：25±3℃

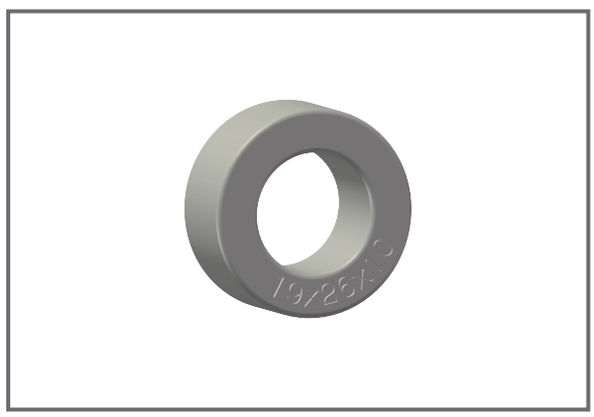
湿度/Humidity：60±20%

◆ **测试条件/Test Conditions：**

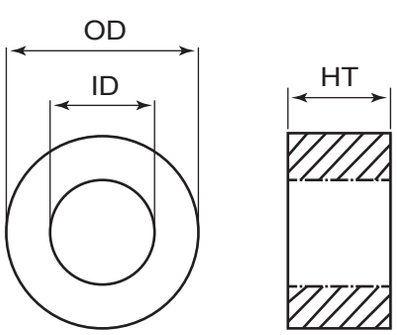
导线/Wire：Φ1.0mm漆包线/Enameled wire

长度/Length：220mm

匝数/Number of turns：0.5圈/ Laps



尺寸（单位：毫米）/Dimension(unit:mm)



符号/Symbol	毫米/Millimeters
OD	28.8 ± 0.5
ID	16.6 ± 0.5
HT	12.6 ± 0.5
克重/Weight：16.5g(REF.）	

外观/Appearance

项目/Item	标准值/Standard value
产品色差/Product chromatic aberration	ΔE:0-4.0
壳体错位/Shell dislocation	≤0.3mm
表面粘胶、脏污/Surface adhesive and dirt	≤0.5mm
表面毛刺、披风/Surface burrs, cloaks	≤0.3mm

材质特性/Material Characteristics

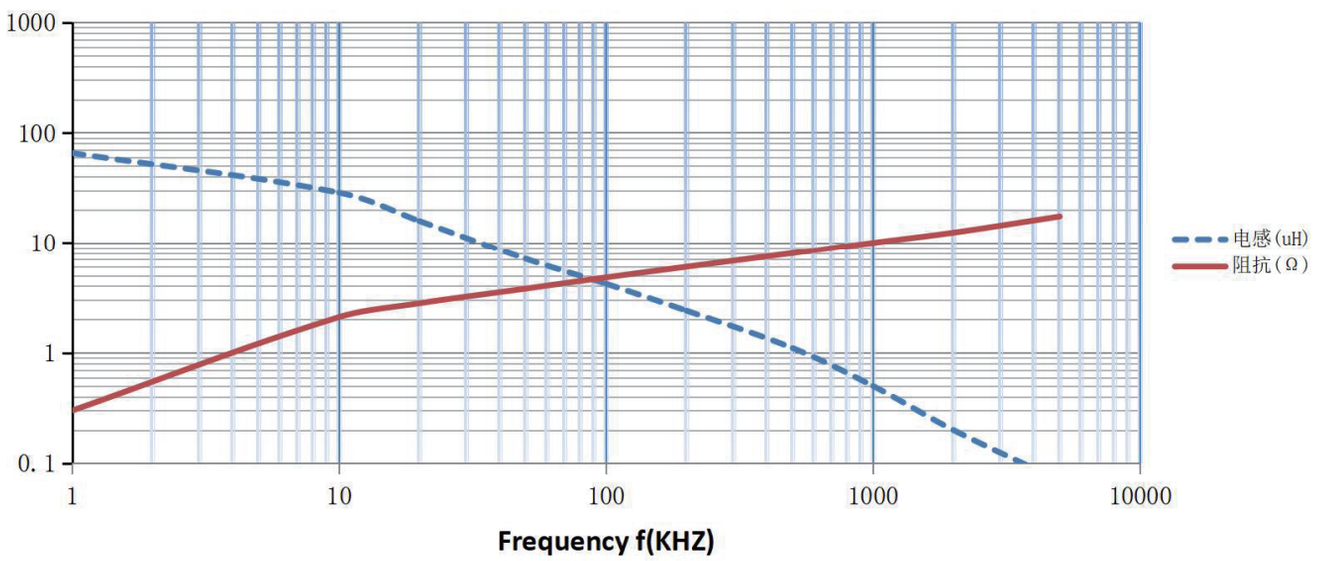
饱和磁通密度 Saturation magnetic flux density	初始磁导率 Initial permeability	最大磁导率 Maximum permeability	电阻率 Electrical resistivity	居里温度 Curie temperature	晶化温度 Crystallization Temperature	饱和磁滞伸缩系数 Saturation Magnetostriction	密度 Density	带材厚度 Ribbon thickness	填充系数 Filling factor	工作温度 Working temperature
Bs	μi	μi	ρ	Tc	Tx	λs	g/cm³	(um)	(%)	(℃)
(MT)	REF		(Ω·m)	(℃)	(℃)	(ppm)	REF			
1250	80000	300000	0.11	570	510	2~3	7.3	≤23	>70	-50~150

注/Note：外壳阻燃等级/Shell flame retardant rating：V0

实测数据/Measured Data

编号 NO.	电感值(μH) Inductance	尺寸(mm) Dimension		
	L	OD	ID	HT
1	65.4	28.66	16.79	12.51
2	66.7	28.80	16.87	12.57
3	58.9	28.60	16.76	12.48
4	70.6	28.63	16.77	12.50
5	72.6	28.75	16.84	12.55
6	60.2	28.69	16.81	12.52
7	62.1	28.69	16.81	12.52
8	56.2	28.63	16.77	12.50
9	66.7	28.60	16.76	12.48
10	62.3	28.72	16.82	12.54

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



测试频率区间/Testing frequency range：0.001MHZ-100MHZ

優恩半導體 UNSEMI

ROHS

Disclaimer

UNSEMI RESERVES THE RIGHT TO MAKE CHANGE ON OUR PRODUTS , PRODUCTS SPECIFICATION AND DATA WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

UN SEMICONDUCTOR LIMITED its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, “UNSEMI”)does not give any representations or warranties for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

In no event shall UNSEMI be liable for any indirect, incidental, punitive, special or consequential damages (including any and all implied warranties, warranties of fitness for particular purpose, non-infringement and merchantability.) whether or not such damages are based on tort (including negligence), warranty, breach of contract or any other legal theory.

Statements regarding the suitability of products for certain types of applications are based on UNSEMI knowledge of typical requirements that are often placed on UNSEMI products in generic applications. Such statements are not binding, statements about the suitability of products for a particular application. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts. Product specifications do not expand or otherwise modify UNSEMI's terms and conditions of purchase, including but not limited to the warranty expressed therein.

Unless otherwise agreed in writing, UNSEMI product is not designed, authorized or warranted to be suitable for use in medical life-saving, or life-sustaining application , nor in applications where failure or malfunction of a UNSEMI product can reasonably be expected to result in personal injury, death or severe property or environmental damage. UNSEMI and its suppliers accept no liability for inclusion or use of UNSEMI products in such equipment or applications and therefore such inclusion and/or use is at the customer's own risk.