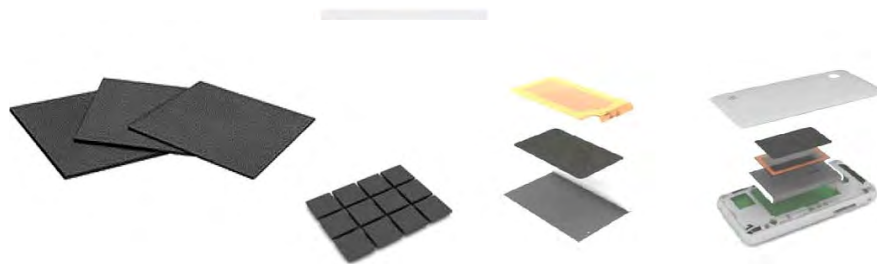


SPECIFICATION

AFS-150-R10-D

(Sintered Ferrite Sheet)

(烧结铁氧体片)



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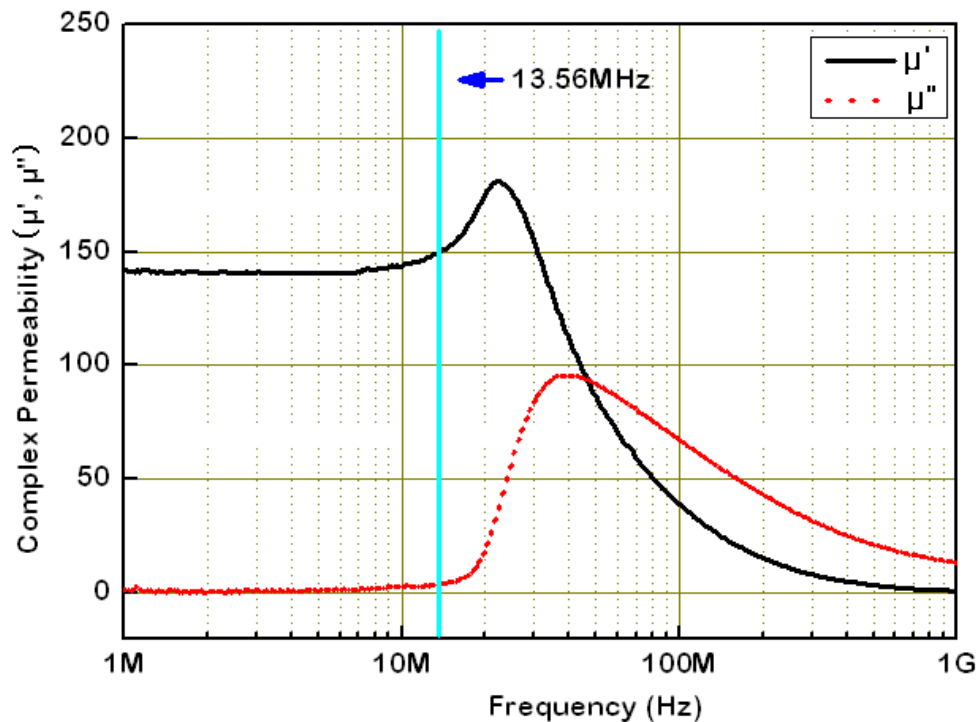
MP: 18938190280

1. 产品规格说明/SPECIFICATIONS

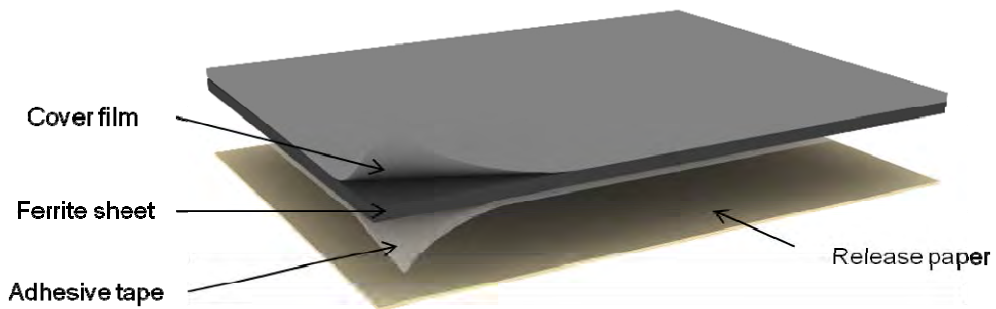
1.1. 基本特性及工作频率率/Physical, Frequency Specifications

项目/Features		特性/Value	
产品规格/Type		铁氧体片/Ferrite Sheet	
结构/Structure		单层/Single layer	
工作频率/Effective carrier frequency		13.56MHz 及以下/13.56MHz and below	
工作温度/Operating temperature	(°C)	-40 到 +85/-40 to +85	
厚度/Thickness	(mm)	0.100	
产品尺寸长 X 宽/Dimensions	(mm)	125 X 125	
磁导磁 Permeability	(@ 13.56MHz)	μ'	150 \pm 20%
		μ'' (磁损)	3 \pm 20%

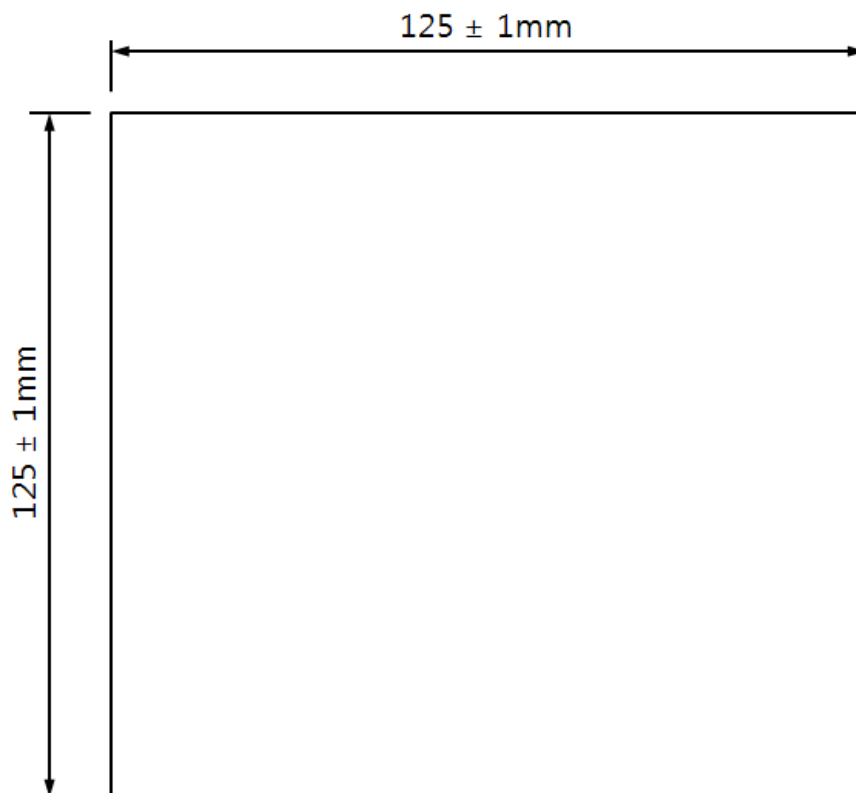
1.2. 磁导率特性曲线/Permeability characteristic



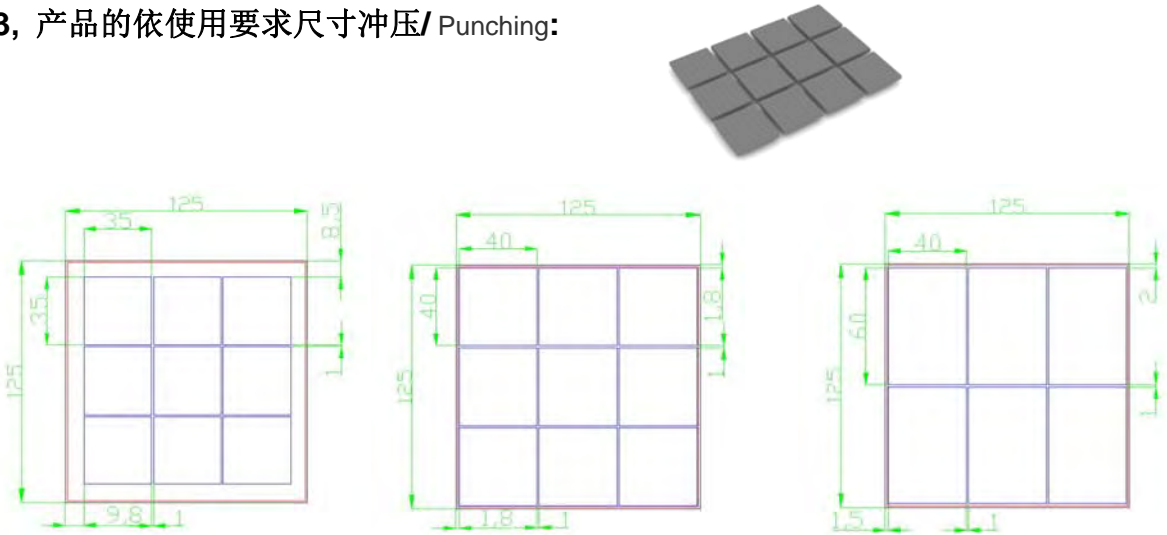
1.3. 产品组成及尺寸/Mechanical Specification (Structure and Dimension)



结构/Structure	厚度及公差/Thickness (mm)
保护离芯层/Cover film	0.030
铁氧体片/Ferrite sheet	0.100 ± 0.01
双面胶/Adhesive tape	0.020
总厚度/Total	0.150 ± 0.02



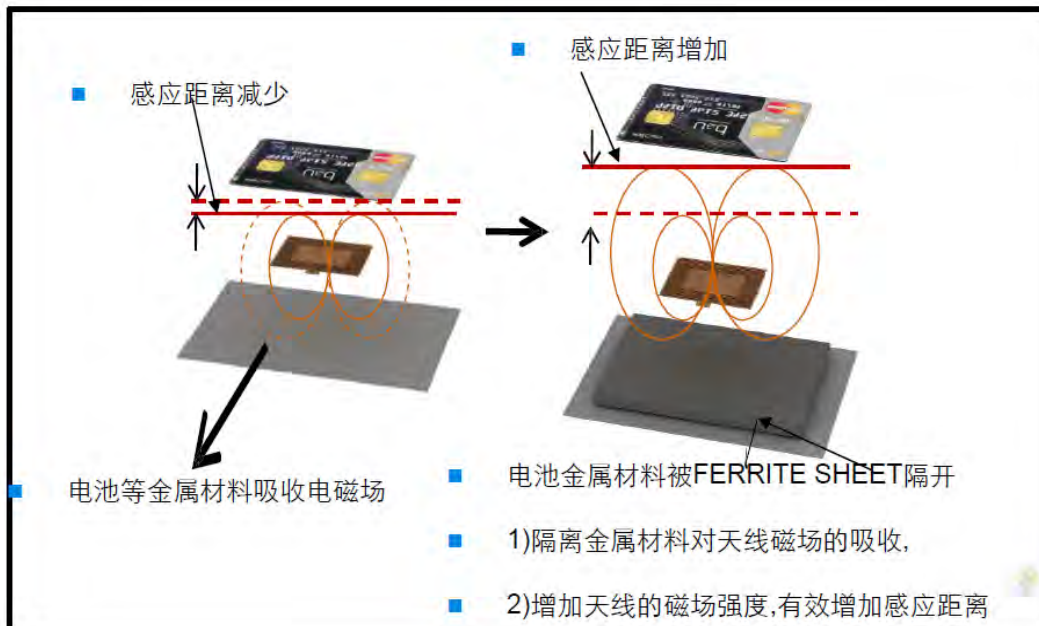
1.3, 产品的依使用要求尺寸冲压/ Punching:



1.4, 铁氧体片作用/ Features:

- 有效改善 NFC 天线产品的性能/ Increased improvement of mobile NFC system
- 产品可以折弯/ They are flexible.
- 带有双面胶与组合体紧密贴合/They are suited for thin and compact devices
- 通过增加天线的磁场强度,有效增加感应距离.

/increased magnetic field convergence by relative magnetic permeability



1.5 铁氧体片主要应用:

- NFC 功能的手机/ Mobile phone with NFC function
- 非接触 IC 卡/ Mobile phone with NFC function
- RFID 读/写器/ RFID 标签/RFID reader / writer/tag



2. 料号说明/Part number

AFS - 150 - R10 - D
 (1) (2) (3) (4)

- (1) : Amotech 铁氧体片代码取第一个英文字母/Amotech Ferrite Sheet
- (2) : 磁导率代码/Permeability (μ' =150)
- (3) : 铁氧体厚度代码/Ferrite sheet thickness : R10 (0.100mm)
- (4) : 尺寸代码/Size: A(64*125mm), B(42*125mm), D(125*125mm), S (special)

3. 环保要求/Environment

AFS 系列产品符合 ROHS 要求/AFS series are RoHS compliant products.

4. 可靠性测试/Reliability Test

No	项目/ITEM	测试条件/ TEST CONDITION	测试标准/ TEST REQUIREMENTS
1	热冲击/Thermal Shock (高低温 /Temperature Cycle)	1. -40°C/60min↔+85°C/60min 2. 循环次数/Number of cycle : 30 3. 测试后室温放 60 分钟/Measure after left for 60 min. at room temperature	1.不能有可见的破裂/ No visual damage 2.磁导率变化±15% 内/Permeability change ± within 15%
2	高温测试/工 High Temperature Resistance	1. Temperature : +85 ± 5°C 2. 测试时间/Time : 96 hrs 3. 测试后室温放 60 分钟/Measure after left for 60 min. at room temperature	1.不能有可见的破裂/ No visual damage 2.磁导率变化±15% 内/Permeability change ± within 15%
3	低温测试/Low Temperature Resistance	1. Temperature : -40 ± 5°C 2. Time : 96 hrs 3. 测试后室温放 60 分钟/Measure after left for 60 min. at room temperature	1.不能有可见的破裂/ No visual damage 2.磁导率变化±15% 内/Permeability change ± within 15%
4	Humidity (Steady Condition)	1. Humidity : 80 % RH 2. Temperature : +80 ± 3°C 3. Time : 120 hrs 4. 测试后室温放 60 分钟/Measure after left for 60 min. at room temperature	1.不能有可见的破裂/ No visual damage 2.磁导率变化±15% 内/Permeability change ± within 15%

5. 库存说明/Caution and Warranty

库存/At warehouse:

The temperature should be within 0 ~ 30°C and humidity should be less than 75% RH.

The product should be used within 6 months from the time of delivery.