

金属化膜简介 General Information

◆ 引用标准 Standards

SJ/T 10464	电容器用铝金属化聚酯薄膜 Aluminium metallized polypropylene film for capacitors
SJ/T 10465	电容器用铝金属化聚丙烯薄膜 Aluminium metallized polyester film for capacitors
GB 2693 IEC 60384-1	电子设备用固定电容器 第一部分：总规范 Fixed capacitor for use in electronic equipment Part 1: General specification
GB 2828	计数抽样检验程序 第一部分：按接收质量限（AQL）检索的逐批检验抽样计划 Sampling procedures and tables for lot-by-lot inspection by attributes
Q/FRK 009	电容器用铝金属化聚酯薄膜 Aluminium metallized polyester film for capacitors
Q/FRK 008	电容器用铝金属化聚丙烯薄膜 Aluminium metallized polypropylene film for capacitors

◆ 标准术语和定义 Terminologies

1. 金属化薄膜 Metallized film

金属化薄膜是在真空状态下，将铝、锌、或锌铝真空蒸镀到薄膜的表面。

The Aluminum , Zinc ,or Aluminum & Zinc layer deposited in the base film by evaporation under vacuum.

2. 基膜 Base film

用于制造金属化膜的基材。

Base film of manufacturing the metallized film.

3. 自愈作用 Self-healing

金属化薄膜介质局部击穿后立即本能恢复到击穿前的电性能现象。

After the metallized film dielectric partial breakdown,the metallized film immediately to regain its full electrical ability.


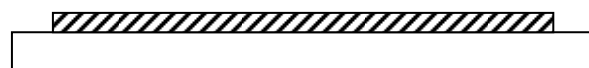
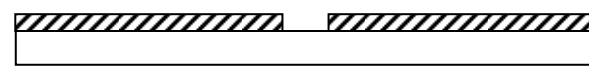

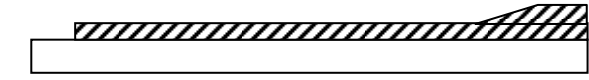
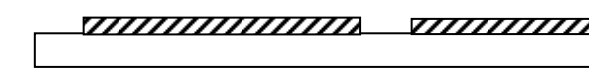
4. 方阻 Square resistance

电阻膜的长度等于宽度时的阻值，用 Ω/\square 表示。它是材料的一种性能指标，与蒸发材料的电阻率成正比，与蒸发厚度成反比。

Square resistance is resistance value when length of metallized film equal to the width of metallized film, using Ω/\square said. It is a specification for the metallized film, and it is proportional to the resistivity of metal material, and it is inversely proportional to the thickness of metal material.

◆ 类型以及命名 Type and named

1. 常用类型 general type:

单留边 Single margin	AT-S AP-S	
双留边 Double margins	AT-T AP-T	
中留边 Middle margin	AT-M AP-M	
双面单留边 Single margin with doubleside	ATD-S	
加厚单留边 Single margin with heavy edge	ATH-S/ ATZH-S ZATH-S/ APH-S APZH-S/ZAPH-S	
三串式留边 Internal three series	AT-R AP-R	

2. 命名说明 Named explain

T—表示为聚酯薄膜 Polyester film

P—表示为聚丙烯薄膜 Polypropylene film

A—表示镀层金属为铝 Metal coating is Aluminum

Z—表示镀层金属为锌 Metal coating is Zinc

ZA—表示镀层金属为锌铝 Metal coating is Aluminum & Zinc

H—表示有加厚边 Heavy edge

3. 留边类型 Margin type

S—表示单留边 Single margin

T—表示双留边 Double margins

M—表示中留边 Middle margin

◆ 膜卷外观技术指标

Technical date of roll appearance

图示 Picture	项目 Item	膜卷外径(mm) OD	允许偏差(mm) Permissible deviation
	端面盆形 Radial wobble	155	0.2
		175	0.3
		240/300	0.3
	轴向偏移 Axial excursion	155	0.3
		175	0.4
		240/300	0.5
	卷边翘起 Reinforced edge	155	0.1
		175	0.2
		240/300	0.3
	膜层位移 Lateral wobble	155	0.15
		175	0.2
		240/300	0.3
	偏心率 Wobbling	155	0.2
		175	0.4
		240/300	0.5

注：极少数膜卷可能超出上表允许最大偏差。

Note: Very few reels may exceed the maximum permissible deviation listed above.

◆ 包装和贮存 Package , storage

1. 包装 Package

1.1 每一包装单位内，均含有等数量的左右旋膜卷，并在每个膜卷的封口处标明。除非客户另有要求，膜卷的金属镀层朝内。

Each package has equal numbers of left-hand and right-hand reels and direction is marked on the closing sticker. The metallized face is wound inside unless a special agreement is reached.

1.2 膜卷之间以泡沫塑料片隔开，成垛的膜卷封入带干燥剂的塑料带内或以真空方式包装之后，再将整个包装袋装入纸箱内，根据运输要求将几个纸箱拼装成大箱。

Each reel is separated by plastic foam to protect the reel faces against damage. The piled pairs of reels are put in plastic bags with drying agent or packed with vacuum method and then packed into cartons. Several cartons are packed together in strong boxes according to shipment requirement.

2. 贮存 Storage

膜卷应存于原包装之中，贮存温度为 32℃ 以下，相对湿度 40%~70%，按此条件，薄膜贮存期为从发货之日起半年。

Reels should be stored in original packing, suggested storing temperature should be less than 30°C, humidity should be 40% to 70%. Storing time is half year following the shipment date under the storage condition described above.

◆ 定货须知 How to order

定货时应以如下的方式表明：

型号 厚度(μm) \times 宽度(mm) \times 留边(mm)

例如：AT-S 5 \times 14 \times 1.0

此外，客户需要指明膜卷的外径及方块电阻值等。

For ordering , FARAFILM is represented as follows:

Type Thickness (μm) \times Width(mm) \times Margin(mm)

For example: AT-S 5 \times 14 \times 1.0

The customer, additionally , should specify resistance and roll OD etc.