

» 金属化聚酯薄膜电容器(安全膜)

Metallized polyester capacitor(special)

|     |        |
|-----|--------|
| H5D | 系 列    |
| MTF | SERIES |

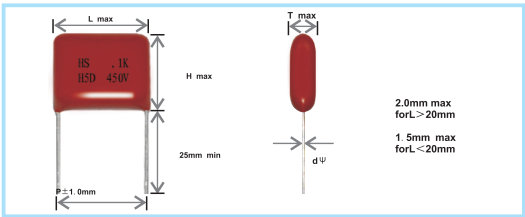
FEATURES (特征)

- \*Metallized polyester film, which
- \*采用金属化聚酯安全膜。
- \*Self-healing property,excellent frequency and temperature characteristics.
- \*自愈特性，频率特性，温度特性优越。
- \*Uniform flame-retardant epoxy resin coating through the latest resin technology.This provides miniature size and light weight.
- \*采用最新的浸渍技术，使用阻燃性环氧树脂浸封，使其非常均匀，光滑，体积小，重量轻。

APPLICATION

This type capacitor is suitable to be used for PFC (Power Factor Correction)purpose in appliances such as Electronic Lighting, UPS, Inverter,Switching Mode Power Supply.

外形图 Outline Drawing



应用

这种类型的电容器是适合用于PFC(功率因数校正,)在小家电,电子照明,UPS,变频器,开关电源中得到广泛应用。

技术要求 Specifications

|                                     |                                                            |
|-------------------------------------|------------------------------------------------------------|
| 工作温度<br>OPERATING TEMPERATURE RANGE | - 40°C ~ + 105°C                                           |
| 额定电压<br>RATED VOLTAGE               | 450Vdc,630 Vdc.                                            |
| 容量范围<br>CAPACITANCE RANGE           | 450Vdc 0.1 ~ 3.30uF<br>630Vdc 0.1 ~ 2.20uF                 |
| 耐电压<br>VOLTAGE PROOF                | 1.6Vr(5s)                                                  |
| 容值误差<br>CAPACITANCE TOLERANCE       | ±5%(J), ±10% (K).                                          |
| 绝缘阻抗<br>INSULATION RESISTANCE       | C< .33uF, R≥15 ,000MΩ . 20°C<br>C≥ .33uF, RC≥ 5,000MΩ ×uF. |
| 损耗角正切<br>DISSIPATION FACTOR         | ≤0.35% (20°C, 50or60HZ)                                    |

引脚加工 Lead cut and forming lead cut

| 形状<br>Style       | 直引线型<br>Straight lead type |         | 引线加工型<br>Formed lead type |     |         |         |         |      |       |         |
|-------------------|----------------------------|---------|---------------------------|-----|---------|---------|---------|------|-------|---------|
|                   |                            |         |                           |     |         |         |         |      |       |         |
|                   |                            |         | F=5.0                     | 7.5 | 10.0    | 15.0    | 22.5    | 27.5 | F=5.0 | 7.5     |
| 容量范围<br>Cap range | 450Vdc                     | 104-335 |                           |     | 104-105 | 474-225 | 155-335 |      |       | 104-105 |
|                   | 630Vdc                     | 104-225 |                           |     | 104-224 | 274-684 | 824-225 |      |       | 104-224 |

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### ● 标准尺寸 Dimensions (mm)

| TYPE<br>H1D | Cap<br>(μF) | H5D 450Vdc |      |      |      |     | Part number | H5D 630Vdc |      |      |      |     | Part number |
|-------------|-------------|------------|------|------|------|-----|-------------|------------|------|------|------|-----|-------------|
|             |             | L          | H    | T    | P    | dΦ  |             | L          | H    | T    | P    | dΦ  |             |
| 104         | 0.10        | 13.0       | 5.0  | 9.0  | 10.0 | 0.6 | H5D2W104-C+ | 13.0       | 6.0  | 14.0 | 10.0 | 0.6 | H5D2J104-C+ |
| 124         | 0.12        | 13.0       | 5.0  | 9.0  | 10.0 | 0.6 | H5D2W124-C+ | 13.0       | 6.5  | 14.5 | 10.0 | 0.6 | H5D2J124-C+ |
| 154         | 0.15        | 13.0       | 5.5  | 9.5  | 10.0 | 0.6 | H5D2W154-C+ | 13.0       | 8.0  | 14.0 | 10.0 | 0.6 | H5D2J154-C+ |
| 184         | 0.18        | 13.0       | 6.0  | 10.0 | 10.0 | 0.6 | H5D2W184-C+ | 13.0       | 8.5  | 15.0 | 10.0 | 0.6 | H5D2J184-C+ |
| 224         | 0.22        | 13.0       | 6.5  | 10.5 | 10.0 | 0.6 | H5D2W224-C+ | 13.0       | 9.0  | 16.0 | 10.0 | 0.6 | H5D2J224-C+ |
| 274         | 0.27        | 13.0       | 6.0  | 12.5 | 10.0 | 0.6 | H5D2W274-C+ | 18.0       | 7.5  | 14.5 | 15.0 | 0.8 | H5D2J274-D+ |
| 334         | 0.33        | 13.0       | 6.5  | 13.0 | 10.0 | 0.6 | H5D2W334-C+ | 18.0       | 8.0  | 15.0 | 15.0 | 0.8 | H5D2J334-D+ |
| 394         | 0.39        | 13.0       | 6.5  | 14.0 | 10.0 | 0.6 | H5D2W394-C+ | 18.0       | 8.0  | 16.5 | 15.0 | 0.8 | H5D2J394-D+ |
| 474         | 0.47        | 13.0       | 7.0  | 14.5 | 10.0 | 0.6 | H5D2W474-C+ |            |      |      |      |     |             |
| 564         | 0.56        | 13.0       | 8.0  | 15.5 | 10.0 | 0.6 | H5D2W564-C+ |            |      |      |      |     |             |
| 684         | 0.68        | 13.0       | 8.0  | 17.0 | 10.0 | 0.8 | H5D2W684-C+ |            |      |      |      |     |             |
| 824         | 0.82        | 13.0       | 9.0  | 18.0 | 10.0 | 0.8 | H5D2W824-C+ |            |      |      |      |     |             |
| 105         | 1.0         | 13.0       | 9.5  | 19.5 | 10.0 | 0.8 | H5D2W105-C+ |            |      |      |      |     |             |
| 474         | 0.47        | 18.0       | 6.0  | 12.0 | 15.0 | 0.6 | H5D2W474-D+ | 18.0       | 9.0  | 17.5 | 15.0 | 0.8 | H5D2J474-D+ |
| 564         | 0.56        | 18.0       | 6.0  | 13.5 | 15.0 | 0.6 | H5D2W564-D+ | 18.0       | 9.5  | 19.5 | 15.0 | 0.8 | H5D2J564-D+ |
| 684         | 0.68        | 18.0       | 6.5  | 14.0 | 15.0 | 0.8 | H5D2W684-D+ | 18.0       | 10.5 | 20.5 | 15.0 | 0.8 | H5D2J684-D+ |
| 824         | 0.82        | 18.0       | 7.0  | 15.5 | 15.0 | 0.8 | H5D2W824-D+ | 25.5       | 9.0  | 19.0 | 22.5 | 0.8 | H5D2J824-F+ |
| 105         | 1.0         | 18.0       | 7.5  | 16.0 | 15.0 | 0.8 | H5D2W105-D+ | 25.5       | 10.0 | 20.0 | 22.5 | 0.8 | H5D2J105-F+ |
| 125         | 1.2         | 18.0       | 8.5  | 17.0 | 15.0 | 0.8 | H5D2W125-D+ | 25.5       | 11.0 | 21.0 | 22.5 | 0.8 | H5D2J125-F+ |
| 155         | 1.5         | 18.0       | 9.5  | 18.5 | 15.0 | 0.8 | H5D2W155-D+ |            |      |      |      |     |             |
| 185         | 1.8         | 18.0       | 11.0 | 19.0 | 15.0 | 0.8 | H5D2W185-D+ |            |      |      |      |     |             |
| 225         | 2.2         | 18.0       | 12.0 | 20.0 | 15.0 | 0.8 | H5D2W225-D+ |            |      |      |      |     |             |
| 155         | 1.5         | 26.0       | 8.0  | 16.5 | 22.5 | 0.8 | H5D2W155-F+ | 25.5       | 12.5 | 23.0 | 22.5 | 0.8 | H5D2J155-F+ |
| 185         | 1.8         | 26.0       | 8.5  | 17.0 | 22.5 | 0.8 | H5D2W185-F+ | 25.5       | 13.5 | 24.0 | 22.5 | 0.8 | H5D2J185-F+ |
| 225         | 2.2         | 26.0       | 9.0  | 19.5 | 22.5 | 0.8 | H5D2W225-F+ | 25.5       | 15.0 | 25.0 | 22.5 | 0.8 | H5D2J225-F+ |
| 275         | 2.7         | 26.0       | 10.0 | 20.5 | 22.5 | 0.8 | H5D2W275-F+ |            |      |      |      |     |             |
| 335         | 3.3         | 26.0       | 11.0 | 21.5 | 22.5 | 0.8 | H5D2W335-F+ |            |      |      |      |     |             |

使用电容时, 请确认注意事项。如想了解详细的产品特性等信息时, 请与我们联系。

When using our capacitors, please consider the application contact Nistronics for the any additional technical specifications relating to the limits of our performance characteristics.