# Metallized Polypropylene Film Capacitor(Axial Lead)
# High Frequency/Switching Application

# FPV

订购基本规格

## EXPLANATION OF ARTICLE CODE

| F P V - | 1 0 5 | K | 2 G | A | 5 5 | L | L |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

### 1 Capacitor Type

| TYPE | FPV |
|---|---|
| CODE | FPV- |

### 2 Rated Capacitance (EIA Code)

The rated Capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This gives the capacitance value expressed in picofarads.

Examples:

| | | | | | | |
|---|---|---|---|---|---|---|
| 105 | = | 1,000,000pF | = | 1,000nF | = | 1uF |
| 106 | = | 10,000,000pF | = | 10,000nF | = | 10uF |

### 3 Capacitance Tolerance

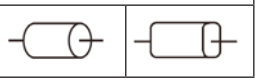
| TOLERANCE | ±5% | ±10% | ±20% |
|---|---|---|---|
| CODE | J | K | M |

### 4 Rated Voltage

Code for DC Voltage: (expressed in one digit & one letter code)

| VOLTAGE | 250V | 400V | 500V | 600V | 630V | 700V | 800V | 850V |
|---|---|---|---|---|---|---|---|---|
| CODE | 2E | 2G | 2H | 2R | 2J | 2S | 2K | 2T |

### 5 Lead Configuration

| CODE | A |
|---|---|
| LEAD TYPE |  |

### 6 Length

Unit: mm

| Lead Pitch | 29.0 | 34.0 | 46.0 | 55.0 | 59.0 |
|---|---|---|---|---|---|
| CODE | 29 | 34 | 46 | 55 | 59 |

### 7 Lead Forming Pitch

| Lead Pitch | N/A |
|---|---|
| CODE | L |

### 8 Lead Length

| Lead Pitch | N/A |
|---|---|
| CODE | L |

# Metallized Polypropylene Film Capacitor(Axial Lead)
# High Frequency/Switching Application

# FPV

High current switching capacitor consists of wound metallized polyproplene film, outer wrapt by polyester film tape and end sealed by epoxy resin. They are suitable for industrial and motor speed controls, switching mode power supplies, resonant circuits and induction heaters


## APPLICATIONS

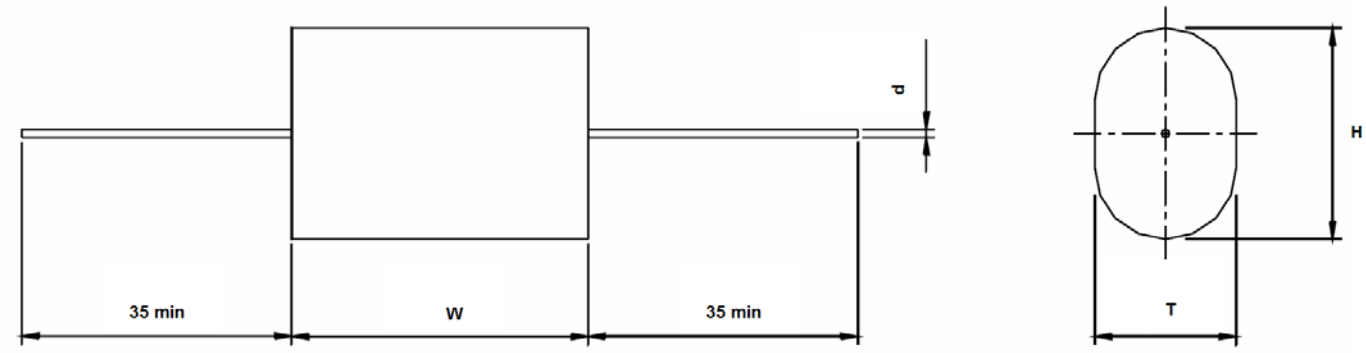
| |
|---|
| Motor Speed Controls |
| Switching Mode Power Supplies |
| Resonant Circuits |
| Induction Heaters |

## FEATURES

| |
|---|
| Low losses and high ripple current. |
| Self- Healing. |
| High contact reliability |
| Flame retardant plastic case and epoxy resin. |

## SPECIFICATIONS

| | |
|---|---|
| Operating Temperature: | -40°C - +85°C |
| Capacitance range: | 0.0068μF - 1.0μF |
| Capacitance Tolerance: | ±5%(J), ±10%(K) at 1KHz |
| Rated Voltage: | 850VDC - 3000VDC |
| Dissipation Factor: | 0.06% max 1 kHz, 25 ºC |
| Dielectric Withstand: | 2.0 x rated voltage for 10 seconds (terminal to terminal) |
| Insulation Resistance: | >3,000 MΩ.uF/C after 1 minutes of electrification @ 100 Vdc & 25 ºC |
| Terminals to Case: | 3.0 KV 50Hz for 60 sec. @ 25 ºC |
| Life Expectancy: | 100,000 hours at Ur and 70 ºC |
| Lead Terminations: | Tinned copper leads (RoHS compliant) |



# Metallized Polypropylene Film Capacitor(Axial Lead)
# High Frequency/Switching Application

# FPV

## DIMENSIONS / 产品尺寸

| SIZE / R.V. / CAP(uF) | 850 V D C | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | W (mm) | H (mm) | T (mm) | d (mm) | dv/dt (v/us) | I peak (A) | Irms @100KHz 70°C (A) | ESR @100KHz mΩ |
| 0.1 | 33.0 | 12.0 | 8.0 | 0.8 | 450 | 45 | 5.0 | 16.7 |
| 0.15 | 33.0 | 14.0 | 10.0 | 0.8 | 450 | 68 | 6.0 | 11.5 |
| 0.22 | 33.0 | 17.5 | 11.0 | 1.0 | 450 | 99 | 9.0 | 8.1 |
| 0.33 | 33.0 | 20.5 | 14.5 | 1.0 | 450 | 149 | 9.0 | 5.8 |
| 0.68 | 44.0 | 23.0 | 17.0 | 1.0 | 300 | 204 | 9.0 | 5.1 |
| 1.0 | 58.0 | 22.5 | 16.5 | 1.2 | 190 | 190 | 12.0 | 6.1 |

## DIMENSIONS / 产品尺寸

| SIZE / R.V. / CAP(uF) | 1200 V D C | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | W (mm) | H (mm) | T (mm) | d (mm) | dv/dt (v/us) | I peak (A) | Irms @100KHz 70°C (A) | ESR @100KHz mΩ |
| 0.047 | 33.0 | 11.5 | 7.5 | 0.8 | 700 | 33 | 4.0 | 27.2 |
| 0.068 | 33.0 | 13.5 | 9.5 | 0.8 | 700 | 48 | 5.0 | 19.1 |
| 0.1 | 33.0 | 15.5 | 11.5 | 0.8 | 700 | 70 | 6.0 | 13.5 |
| 0.15 | 33.0 | 19.5 | 13.0 | 1.0 | 700 | 105 | 9.0 | 9.2 |
| 0.22 | 33.0 | 22.5 | 16.5 | 1.0 | 700 | 154 | 9.0 | 6.8 |
| 0.33 | 44.0 | 22.0 | 15.5 | 1.0 | 450 | 149 | 9.0 | 7.2 |
| 0.47 | 44.0 | 25.5 | 19.0 | 1.0 | 450 | 212 | 9.0 | 5.6 |
| 0.68 | 58.0 | 24.0 | 18.0 | 1.2 | 270 | 184 | 12.0 | 6.6 |

## DIMENSIONS / 产品尺寸

| SIZE / R.V. / CAP(uF) | 2000 V D C | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | W (mm) | H (mm) | T (mm) | d (mm) | dv/dt (v/us) | I peak (A) | Irms @100KHz 70°C (A) | ESR @100KHz mΩ |
| 0.022 | 33.0 | 11.5 | 8.0 | 0.8 | 1150 | 25 | 3.0 | 48.3 |
| 0.033 | 33.0 | 13.5 | 9.5 | 0.8 | 1150 | 38 | 4.0 | 32.6 |
| 0.047 | 33.0 | 17.0 | 10.5 | 1.0 | 1150 | 54 | 5.0 | 23.1 |
| 0.068 | 33.0 | 19.5 | 13.0 | 1.0 | 1150 | 78 | 7.0 | 16.3 |
| 0.1 | 33.0 | 22.5 | 16.5 | 1.0 | 1150 | 115 | 9.0 | 11.6 |
| 0.15 | 44.0 | 22.0 | 15.5 | 1.0 | 700 | 105 | 9.0 | 11.3 |
| 0.22 | 44.0 | 25.5 | 19.5 | 1.2 | 700 | 154 | 12.0 | 8.0 |
| 0.33 | 58.0 | 25.0 | 18.5 | 1.2 | 410 | 135 | 12.0 | 9.2 |

## DIMENSIONS / 产品尺寸

| SIZE / R.V. / CAP(uF) | 3000 V D C | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | W (mm) | H (mm) | T (mm) | d (mm) | dv/dt (v/us) | I peak (A) | Irms @100KHz 70°C (A) | ESR @100KHz mΩ |
| 0.0068 | 33.0 | 11.5 | 7.5 | 0.8 | 2100 | 14.5 | 2.0 | 133.0 |
| 0.001 | 33.0 | 13.0 | 9.0 | 0.8 | 2100 | 21 | 2.0 | 90.5 |
| 0.015 | 33.0 | 16.5 | 10.5 | 1.0 | 2100 | 32 | 3.0 | 60.6 |
| 0.022 | 33.0 | 19.0 | 13.0 | 1.0 | 2100 | 46 | 4.0 | 41.7 |
| 0.033 | 33.0 | 22.5 | 16.0 | 1.0 | 2100 | 69 | 5.0 | 28.3 |
| 0.047 | 44.0 | 21.0 | 15.0 | 1.0 | 1250 | 59 | 6.0 | 25.7 |
| 0.068 | 44.0 | 24.5 | 18.0 | 1.0 | 1250 | 85 | 9.0 | 18.3 |
| 0.1 | 58.0 | 23.5 | 17.0 | 1.2 | 750 | 75 | 10.0 | 18.9 |