

## Plastic Film Capacitors

### JFA - Mylar Polyester Film Capacitor

#### ■ FEATURES:

1. Inductive welded construction epoxy dip coated.
2. Good reputation in use with consumer & industrial electronics.
3. Optimum for automatic insertion due to their small size and light weight.
4. Coated with epoxy resin for superior heat resistance, humidity resistance and solvent resistance.

#### ■ SPECIFICATIONS:

1. Operating Temperature : -40°C ~ +85°C
2. Rated Voltage : 100V, 250V, 400V, 630V, 1000V DC
3. Capacitance Range : 0.001 ~ 0.47µF
4. Capacitance Tolerance : ±5%, ±10%



### JFB - Metallized Polyester Film Capacitor

#### ■ FEATURES:

1. Non-inductive, dip coated, high moisture resistance.
2. Good reputation in use with filtering, DC blocking coupling and general communication equipment.
3. High reliable with its Self-Healing performance.
4. Coated with epoxy resin for superior heat resistance, humidity resistance and solvent resistance.

#### ■ SPECIFICATIONS:

1. Operating Temperature : -40°C ~ +85°C
2. Rated Voltage : 100V DC, 250V DC, 400V DC, 630V DC.
3. Capacitance Range : 0.01 ~ 6.8µF
4. Capacitance Tolerance : ±5%, ±10%

### JFC - Metallized Polyester Film Capacitor (VAC)

#### ■ FEATURES:

1. Non-inductive, coated with epoxy resin or flame retardant epoxy power.
2. High capacitance stability.
3. High moisture resistance.
4. High reliability with Self-Healing performance.
5. Recommended for high frequency circuit use.
6. Possibility production of special specification.
7. Competitive price.

#### ■ SPECIFICATIONS:

1. Temperature Range : -40°C ~ +85°C
2. Rated Voltage : 250V AC
3. Capacitance Range : 0.01 ~ 4.7µF
4. Capacitance Tolerance : ±5%, ±10%



### JFG - Axial Metallized Polyester & Polypropylene Film Capacitor

#### ■ FEATURES:

1. JFGA & JFGB constructed with metallized polyester film as medium and electric code.
2. JFGC & JFGD constructed with metallized polypropylene film as medium and electric code.
3. CYCLOIDAL and FLAT OVAL SHAPE both available.
4. High reliability, high temperature-resistance, small volume, large capacity and good self-healing property.

#### ■ SPECIFICATIONS:

1. Operating Temperature : -40°C ~ +105°C for JFGA & JFGB  
-55°C ~ +100°C for JFGC & JFGD
2. Rated Voltage : 100V DC ~ 1250V DC
3. Capacitance Range : 0.01 ~ 68µF
4. Capacitance Tolerance : ±5%, ±10%

### JFD - Box Type Met Polyester Film Capacitor

#### ■ FEATURES:

1. Non-inductive, plastic case and epoxy resin.
2. Box type provides the identical outer appearance.
3. High reliability.

#### ■ SPECIFICATIONS:

1. Reference Standard : GB7332 (IEC 60384-2)
2. Climatic Category : 40/85/21
3. Rated Voltage : 63V, 100V, 160V, 250V, 400V, 630V DC
4. Capacitance Range : 0.001 ~ 2.2µF
5. Capacitance Tolerance : ±5%, ±10%



### JFE - Mini Metallized Polyester Film Capacitor

#### ■ FEATURES:

1. Miniature size, non-inductive, epoxy dip coated.
2. The small size can be compared favourably with the stacked film capacitor.
3. Epoxy resin powder coating provides the identical outer appearance.
4. Low dissipation factor.
5. Excellent Self-Healing property and reliability.

#### ■ SPECIFICATIONS:

1. Operation Temperature : -40°C ~ +85°C
2. Rated Voltage : 50/63V, 100V, 160V, 250V, 400V DC
3. Capacitance Range : 0.01 ~ 2.2µF
4. Capacitance Tolerance : ±5%, ±10%

### JFJ - Mini Box Stacked Met Polyester Film Capacitor

#### ■ FEATURES:

1. Stacked technology, High dv / dt ability.
2. Small size due to stacked construction, pitch size all 5mm.
3. Non-inductive, Plastic case and epoxy resin.

#### ■ SPECIFICATIONS:

1. Operating Temperature : -55°C ~ +105°C
2. Rated Voltage : 50 / 63V DC, 100V DC, 250V DC, 400V DC, 500V DC, 630V DC
3. Capacitance Range : 0.001 ~ 1.0µF
4. Capacitance Tolerance : ±5%, ±10%



### JFX - Premium Metallized Polypropylene Film capacitors-Axial

#### ■ FEATURES:

1. Quick transient design.
2. High Precise Capacitance ±3%, ±5%
3. Very Low Dielectric absorption factor.

#### ■ SPECIFICATIONS:

1. Operating Temperature : -55°C ~ +85°C
2. Rated Voltage : 250V, 400V, 630V DC
3. Capacitance Range : 0.047 ~ 100µF
4. Capacitance Tolerance : ±3% (I), ±5% (01KHz)

### JFK - Polypropylene Film Capacitor

#### ■ FEATURES:

1. Inductive, radial lead welded construction, epoxy coated.
2. Temperature dependence indicates characteristic of negative.
3. Comparatively small size saves space of print circuit board.
4. Dissipation factor is normally low and temperature dependence of capacitance is linear.

#### ■ SPECIFICATIONS:

1. Operating Temperature : -40°C ~ +85°C
2. Rated Voltage : 100V, 250V, 400V, 630V DC
3. Capacitance Range : 0.00047 ~ 0.18µF
4. Capacitance Tolerance : ±5%, ±10%



### JFL - Metallized Polypropylene Film Capacitor

#### ■ FEATURES:

1. Non-inductive, epoxy dip coated, high moisture resistance.
2. Dissipation factor is normally low and it is stable against high frequency and change of temperature.
3. Recommended for high-frequency circuits like s-curve compensating circuit.
4. Highly reliable because of its excellent Self-Healing performance.

#### ■ SPECIFICATIONS:

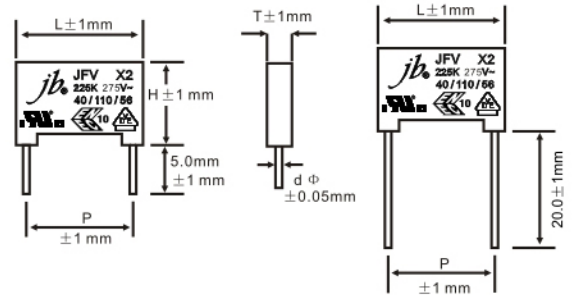
1. Operating Temperature : -40°C ~ +85°C
2. Rated Voltage : 100V DC, 250V DC, 400V DC, 630V DC.
3. Capacitance Range : 0.01 ~ 10.0µF
4. Capacitance Tolerance : ±5%, ±10%

**JFV - X2 Metallized Polypropylene Film Capacitor**

- **FEATURES:**
  1. Non-inductive, (UL940V-0) plastic case sealed with epoxy resin.
  2. Provides interference suppression with VDE & ENEC and UL approvals.
- **SPECIFICATIONS:**
  1. Operating Temperature : -40°C ~ +110°C
  2. Voltage Rating : 250, 275, 305, 310V.AC
  3. Capacitance Range : 0.001 ~ 2.2uF
  4. Capacitance Tolerance : ±10%

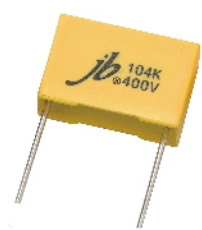


■ **DRAWING:**



**JFM - Box Type Met Polypropylene Film Capacitor**

- **FEATURES:**
  1. High reliability at high current stress.
  2. Self-Healing Property.
  3. Flame retardant plastic case and epoxy resin.
  4. Low losses, high dv / dt capability.
  5. High moisture resistance.
  6. High stability of capacitance and long life.
- **SPECIFICATIONS:**
  1. Operating Temperature : -40°C ~ +85°C
  2. Rated Voltage : 250V, 400V, 630V.DC, 1000V.DC/500V.AC
  3. Capacitance Range : 0.0047~3.9uF
  4. Capacitance Tolerance : ±2%, ±5%, ±10%

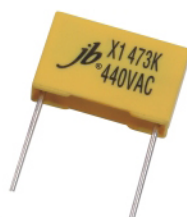


**JFP - High Voltage Met Polypropylene Film Capacitor**

- **FEATURES:**
  1. Extended foil, flame retardant epoxy coated.
  2. Ideal for high AC current applications, such as CRT deflection for R-F generators.
  3. Coated with flame retardative epoxy resin which provides from humidity and mechanical damage.
  4. Temperature coefficient is negative and variety linear over the operation temperature.
- **SPECIFICATIONS:**
  1. Operating Temperature : -40°C ~ +85°C
  2. Rated Voltage : 1000V, 1250V, 1600V, 2000V.DC
  3. Capacitance Range : 0.001 ~ 0.15uF
  4. Capacitance Tolerance : ±5%, ±10%

**JFQ - Box Type Double Sided Met Polypropylene Film Capacitors**

- **FEATURES:**
  1. Double sided metallized structure, widely used in high voltage, high frequency and pulse circuit.
  2. Negative temperature coefficient of capacitance.
  3. Low loss and small inherent temperature rise.
- **SPECIFICATIONS:**
  1. Operating Temperature Range : -40°C ~ +105°C
  2. Rated Voltage : 250V, 400V, 630V, 1000V, 1400V/1600V, 2000V.DC
  3. Capacitance Range : 0.00022 ~ 3.9uF
  4. Capacitance Tolerance : ±2%(G), ±3%(H), ±5%(J), ±10%(K), ±20%(M)



**JFT - Metallized Polypropylene Film AC Capacitor Class-X1**

- **FEATURES:**
  1. This specifications cover the requirements of jb Metallized Polypropylene.
  2. Film AC Capacitor (Interference Suppressors Class-X1).
- **SPECIFICATIONS:**
  1. Capacitor Class : X1 class
  2. Operating Temperature : -55°C ~ +105°C
  3. Rated Voltage : 300V.AC
  4. Capacitance Range : 0.0022 ~ 4.7uF
  5. Capacitance Tolerance : ±10%

**JFS - Motor Starting Capacitor**

- **FEATURES:**
  1. Electrical apparatus use metallized film with precisely quality control.
  2. Low D.F. (dissipation factor), lower temperature rise.
  3. High I.R. (insulation resistance) small size.
  4. High safety. High reliability.
  5. Durability and characteristics of frequency, etc.
- **SPECIFICATIONS:**
  1. Operating Condition : -25°C ~ +70°C
  2. Rated Voltage : 250VAC, 450VAC
  3. Capacitance Range : 1uF~20uF (JFS-A~D, JFS-5~7, JFS-9)
  4. Capacitance Tolerance : ±5%, ±10%



**JFS - Motor Starting Capacitor**

- **FEATURES:**
  1. Electrical apparatus use metallized film with precisely quality control.
  2. Low D.F. (dissipation factor), lower temperature rise.
  3. High I.R. (insulation resistance) small size.
  4. High safety. High reliability.
  5. Durability and characteristics of frequency, etc.
- **SPECIFICATIONS:**
  1. Operating Condition : -25°C ~ +70°C
  2. Rated Voltage : 250VAC, 450VAC
  3. Capacitance Range : 1uF ~ 100uF (JFS-10~18)
  4. Capacitance Tolerance : ±5%, ±10%

**SMD - Aluminum Electrolytic Capacitors**

**JCS - SMD Type, 85°C, 2000 hours**

- **FEATURES:**
  1. Designed for surface mounting on high density circuit board.
  2. Emboss carrier tape packing system is available for automatic insertion.
- **SPECIFICATIONS:**
  1. Operating Temperature : -40°C ~ +85°C
  2. Voltage Range : 4V ~ 100V.DC
  3. Capacitance Range : 0.1 ~ 1000uF
  4. Capacitance Tolerance : ±20% at 120Hz, 20°C



**JCK - SMD Type, 105°C, 1000 hours**

- **FEATURES:**
  1. Chip type, operating with wide temperature range -40~+105°C.
  2. Designed for surface mounting on high density circuit board.
  3. Emboss carrier tape packing system is available for automatic insertion.
- **SPECIFICATIONS:**
  1. Operating Temperature : -40°C ~ +105°C
  2. Voltage Range : 4V ~ 100V.DC
  3. Capacitance Range : 0.1 ~ 1000uF
  4. Capacitance Tolerance : ±20% at 120Hz, 20°C



# Aluminum Electrolytic Capacitors

## JNC - Snap-in Type, 85°C, For Speaker Network



- **FEATURES:**
  1. Load life of 2000 hours at 85°C
  2. High ripple current
  3. Smaller size
  4. PCB Mounting
- **SPECIFICATIONS:**
  1. Operating Temperature Range : -40°C ~ +85°C
  2. Capacitance Tolerance : (25°C, 120Hz) ±20%
  3. Capacitance Range : 68 ~ 22,000uF
  4. Rated Voltage Range : 10 ~ 450V.DC

## JNE - Snap-in Type, 105°C, Miniaturized



- **FEATURES:**
  1. Load life of 2000 hours at 105°C
  2. High ripple current
  3. Smaller size
  4. PCB Mounting
- **SPECIFICATIONS:**
  1. Operating Temperature Range : -40°C ~ +105°C
  2. Capacitance Tolerance : (25°C, 120Hz) ±20%
  3. Capacitance Range : 39 ~ 22,000uF
  4. Rated Voltage Range : 10 ~ 400V.DC

## JNG - Snap-in Type, 85°C, General, Miniaturized, Long Life



- **FEATURES:**
  1. Load life of 5000 hours at 85°C, equal to 80000 hours (9years) at 45°C
  2. High ripple current
  3. Smaller size
  4. PCB Mounting
- **SPECIFICATIONS:**
  1. Operating Temperature Range : -40°C ~ +85°C
  2. Capacitance Tolerance : (25°C, 120Hz) ±20%
  3. Capacitance Range : 68 ~ 22,000uF
  4. Rated Voltage Range : 10 ~ 450V.DC



## JNJ - Snap-in Type, 105°C, Miniaturized, Long Life

- **FEATURES:**
  1. Load life of 3000 hours at 105°C, equal to 96000 hours (11 years) at 55°C
  2. High ripple current
  3. Smaller size
  4. PCB Mounting
- **SPECIFICATIONS:**
  1. Operating Temperature Range : -40°C ~ +105°C
  2. Capacitance Tolerance : (25°C, 120Hz) ±20%
  3. Capacitance Range : 39 ~ 22,000uF
  4. Rated Voltage Range : 10 ~ 400V.DC

## JNK - Snap-in Type, 105°C, 5000hours



- **FEATURES:**
  1. Extended Lifetime at 105°C
  2. High ripple current
  3. High Professional Switch Mode Power Supplies
  4. Frequency Converters
- **SPECIFICATIONS:**
  1. Operating Temperature Range : -40°C ~ +105°C / -25°C ~ +105°C
  2. Capacitance Tolerance : (25°C, 120Hz) ±20%
  3. Capacitance Range : 68 ~ 56000uF
  4. Rated Voltage Range : 10 ~ 450V.DC



## JMJ - Screw Type, 85°C, General, Miniaturized

- **FEATURES:**
  1. Load life of 2000 hours at 85°C
  2. Size may be selected
  3. High ripple current
  4. Used for computers, communication powers and inverters
- **SPECIFICATIONS:**
  1. Operating Temperature Range : -40°C ~ +85°C (315V, -25°C ~ +85°C)
  2. Capacitance Tolerance : (25°C, 120Hz) ±20%
  3. Capacitance Range : 270 ~ 820,000uF
  4. Rated Voltage Range : 10 ~ 450V.DC

## JML - Screw Type, 105°C, Long Life



- **FEATURES:**
  1. Load life of 2000 hours at 105°C
  2. Size may be selected
  3. High ripple current
  4. Used for computers, communication powers Hi-ripple circuit of electric vehicle, electric train, general-purpose inverter
- **SPECIFICATIONS:**
  1. Operating Temperature Range : -40°C ~ +105°C / -25°C ~ +105°C
  2. Capacitance Tolerance : (25°C, 120Hz) ±20%
  3. Capacitance Range : 180 ~ 680,000uF
  4. Rated Voltage Range : 10V ~ 100V.DC / 160V ~ 400V.DC



## JMN - Screw Type, 85°C, General, Long Life

- **FEATURES:**
  1. Load life of 5000 hours at 85°C
  2. Size may be selected
  3. High ripple current
  4. Used for computers, communication powers, Hi-ripple circuit of electric vehicle, electric train, general-purpose inverter
- **SPECIFICATIONS:**
  1. Operating Temperature Range : -40°C ~ +85°C
  2. Capacitance Tolerance : (25°C, 120Hz) ±20%
  3. Capacitance Range : 1,000 ~ 18,000uF
  4. Rated Voltage Range : 350V ~ 450V.DC

## JMQ - Screw Type, 105°C, For Inverter



- **FEATURES:**
  1. Warranty of 5000 hours at 105°C
- **SPECIFICATIONS:**
  1. Operating Temperature Range : -40°C ~ +105°C
  2. Capacitance Tolerance : (20°C, 120Hz) ±20%
  3. Capacitance Range : 1,000 ~ 15,000uF
  4. Rated Voltage Range : 350V, 400V, 450V.DC



## JSS - Lug Type, 85°C, Miniaturized

- **FEATURES:**
  1. Standard product
  2. For industrial equipment control etc.
- **SPECIFICATIONS:**
  1. Operating Temperature Range : -40°C ~ +85°C / -25°C ~ +85°C
  2. Capacitance Tolerance : -10% ~ +50% (25°C, 120Hz)
  3. Capacitance Range : 33 ~ 68000uF
  4. Rated Voltage Range : 16V ~ 450V.DC

## JSU - Lug Type, For Photo Flash



- **FEATURES:**
  1. For Photo Flash
  2. High Stability
  3. Compact and light weight
- **SPECIFICATIONS:**
  1. Operating Temperature Range : -20°C ~ +55°C
  2. Capacitance Range : 150 ~ 1,500uF
  3. Capacitance Tolerance : -10% ~ +20% (20°C, 120Hz)
  4. Rated Voltage Range : 330, 360WV.DC



## JSW - Lug Type, For Motor Starting

- **FEATURES:**
  1. Load life of 75000 times and 30000 times
  2. For motor starting
  3. Used for the compressor starter of a refrigerator and air-conditioner and for the water pumps
- **SPECIFICATIONS:**
  1. Operating Temperature Range : -20°C ~ +70°C
  2. Capacitance Tolerance : 0% ~ 20% (25°C, 120Hz)
  3. Capacitance Range : 25 ~ 500uF
  4. Rated Voltage Range : 110 ~ 330V.AC