

# Film Capacitors | 薄膜電容

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## MPX (MKP) series 抑制電源電磁干擾電容-X1 350VAC

Interferon Suppression Capacitor -X1 350VAC

### 特性 | Feature

類別 X1 等級，對主動或被動的易燃性的可靠性高  
自愈性強，電壓强度高  
衰減良好，阻抗低，抑制干擾性強  
Class X1, Particularly high reliability against active and passive flammability  
Excellent self-healing as well as high voltage strength  
High degree of interference suppression due to good attenuation and low ESR

### 推薦應用領域 | Typical Application

適用於高頻，直流，交流，耦合，跨接脈衝電路中  
適用於即使電容器失效也不會導致電擊危險的情況  
Widely used in high frequency, DC, AC and pulse circuits  
Suitable for use in situations where failure of capacitor would not lead to danger of electric shock



技術要求參照標準 Specification Reference Standard	IEC 60384 ; UL 60384 ; GB/T14472
氣候及阻燃等級 Climatic and Passive Flammability	40/110/56/B
工作溫度範圍 Operation Temperature Range	-40°C~110°C
額定電壓 Rated Voltage	350VAC at 50/60Hz
電容量範圍 Capacitance Range	0.0047μF~6.8μF
電容量偏差 Capacitance Tolerance	±5%(J), ±10%(K), ±20%(M)
耐電壓 Voltage Proof	T-T 1500VDC at 60 sec ; T-C 2200VAC at 60 sec
絕緣電阻 Insulation Resistance	CR≤0.33μF, IR≥15000MΩ ; CR>0.33μF, IR≥5000 MΩ/CAP(μF)
損耗角正切 Dissipation Factor	0.1% Max, at 1KHz and 20°C

## MPX (MKP) series 抑制電源電磁干擾電容-X2 310VAC

Interferon Suppression Capacitor -X2 310VAC

### 特性 | Feature

類別 X2 等級，對主動或被動的易燃性的可靠性高  
自愈性強，電壓强度高  
衰減良好，阻抗低，抑制干擾性強  
Class X2, Particularly high reliability against active and passive flammability  
Excellent self-healing as well as high voltage strength  
High degree of interference suppression due to good attenuation and low ESR

### 推薦應用領域 | Typical Application

適用於高頻，直流，交流，耦合，跨接脈衝電路中  
適用於即使電容器失效也不會導致電擊危險的情況  
Widely used in high frequency, DC, AC and pulse circuits  
Suitable for use in situations where failure of capacitor would not lead to danger of electric shock



技術要求參照標準 Specification Reference Standard	IEC 60384 ; UL 60384 ; GB/T14472
氣候及阻燃等級 Climatic and Passive Flammability	40/110/56/B
工作溫度範圍 Operation Temperature Range	-40°C~110°C
額定電壓 Rated Voltage	310VAC at 50/60Hz
電容量範圍 Capacitance Range	0.001μF~2.2μF
電容量偏差 Capacitance Tolerance	±5%(J), ±10%(K), ±20%(M)
耐電壓 Voltage Proof	T-T 1300VDC at 60 sec ; T-C 2100VAC at 60 sec
絕緣電阻 Insulation Resistance	CR≤0.33μF, IR≥15000MΩ ; CR>0.33μF, IR≥5000 MΩ/CAP(μF)
損耗角正切 Dissipation Factor	0.1% Max, at 1KHz and 20°C

## MPX (MKP) series 抑制電源電磁干擾電容-X2 275VAC

Interferon Suppression Capacitor -X2 275VAC

### 特性 | Feature

類別 X2 等級，對主動或被動的易燃性的可靠性高  
自愈性強，電壓强度高  
衰減良好，阻抗低，抑制干擾性強  
Class X2, Particularly high reliability against active and passive flammability  
Excellent self-healing as well as high voltage strength  
High degree of interference suppression due to good attenuation and low ESR

### 推薦應用領域 | Typical Application

適用於高頻，直流，交流，耦合，跨接脈衝電路中  
適用於即使電容器失效也不會導致電擊危險的情況  
Widely used in high frequency, DC, AC and pulse circuits  
Suitable for use in situations where failure of capacitor would not lead to danger of electric shock



技術要求參照標準 Specification Reference Standard	IEC 60384 ; UL 60384 ; GB/T14472
氣候及阻燃等級 Climatic and Passive Flammability	40/110/56/B
工作溫度範圍 Operation Temperature Range	-40°C~110°C
額定電壓 Rated Voltage	275VAC at 50/60Hz
電容量範圍 Capacitance Range	0.001μF~2.2μF
電容量偏差 Capacitance Tolerance	±5%(J), ±10%(K), ±20%(M)
耐電壓 Voltage Proof	T-T 1200VDC at 60 sec ; T-C 2000VAC at 60 sec
絕緣電阻 Insulation Resistance	CR≤0.33μF, IR≥15000MΩ ; CR>0.33μF, IR≥5000 MΩ/CAP(μF)
損耗角正切 Dissipation Factor	0.1% Max, at 1KHz and 20°C

## MPX (MKP) series 抑制電源電磁干擾電容-Y2 250VAC

Interferon Suppression Capacitor -Y2 250VAC

### 特性 | Feature

類別 Y2 等級，對主動或被動的易燃性的可靠性高  
自愈性強，電壓强度高  
衰減良好，阻抗低，抑制干擾性強  
Class Y2, Particularly high reliability against active and passive flammability  
Excellent self-healing as well as high voltage strength  
High degree of interference suppression due to good attenuation and low ESR



### 推薦應用領域 | Typical Application

適用於高頻，直流，交流，耦合，跨接脈衝電路中  
適用於即使電容器失效也不會導致電擊危險的情況  
Widely used in high frequency, DC, AC and pulse circuits  
Suitable for use in situations where failure of capacitor would not lead to danger of electric shock

技術要求參照標準 Specification Reference Standard	IEC 60384 ; UL 60384 ; GB/T14472
氣候及阻燃等級 Climatic and Passive Flammability	40/110/56/B
工作溫度範圍 Operation Temperature Range	-40°C~110°C
額定電壓 Rated Voltage	250VAC at 50/60Hz
電容量範圍 Capacitance Range	0.001μF~0.1μF
電容量偏差 Capacitance Tolerance	±5%(J), ±10%(K), ±20%(M)
耐電壓 Voltage Proof	T-T 3000VDC at 1 sec ; T-C 2200VAC at 60 sec
絕緣電阻 Insulation Resistance	IR ≥ 30000MΩ
損耗角正切 Dissipation Factor	0.1% Max, at 1KHz and 20°C

## MPP (CBB21) series 金屬化聚丙烯膜電容器

Metallized Polypropylene Film Capacitor

### 特性 | Feature

高容量 / 電容比  
非常低介電吸收  
高頻損耗小，自愈能力強  
High volume/capacitance ratio  
Very low dielectric absorption  
Low loss at high frequency, Self-healing



### 推薦應用領域 | Typical Application

廣泛用於高頻、直流、交流和脈衝電路中  
適用於要求體積小，性能優異的彩電 S 校正電路  
Widely used in high frequency, DC, AC and pulse circuits  
Providing optimum performance with small size in S- correction circuits for colour TV set

技術要求參照標準 Specification Reference Standard	GB/T 14579 (IEC 60384-17)
氣候類別 Climatic Category	55/105/21
工作溫度範圍 Operation Temperature Range	-55°C~105°C ( +85°C~+105°C : decreasing factor 1.25% per°C for U <sub>R</sub> )
額定電壓 Rated Voltage	100 / 250 / 400 / 630 / 1000 VDC
電容量範圍 Capacitance Range	0.001μF~3.3μF
電容量偏差 Capacitance Tolerance	±5%(J), ±10%(K)
耐電壓 Voltage Proof	1.5U <sub>R</sub> , 5sec
絕緣電阻 Insulation Resistance	CR ≤ 0.33μF, IR ≥ 15000MΩ ; CR > 0.33μF, IR ≥ 5000 MΩ/CAP(μF)
損耗角正切 Dissipation Factor	0.1% Max, at 1KHz and 20°C

## MPC (CBB23) series 金屬化聚丙烯膜電容器

Metallized Polypropylene Film Capacitor

### 特性 | Feature

高脈沖強度  
接觸可靠性高  
塑膠外殼(UL94 V-0)，阻燃環氧填充  
High pulse strength  
High contact reliability  
Plastic case (UL94 V-0) , Epoxy resin sealing



### 推薦應用領域 | Typical Application

廣泛用於高頻、直流、交流和脈衝電路中  
高頻耦合和退耦  
振盪電路  
Widely used in high frequency, DC, AC and pulse circuits  
High frequency coupling and decoupling  
Oscillating circuits

技術要求參照標準 Specification Reference Standard	GB/T 10190 (IEC 60384-16)
氣候類別 Climatic Category	55/105/56
工作溫度範圍 Operation Temperature Range	-55°C~105°C ( +85°C~+105°C : decreasing factor 1.25% per°C for U <sub>R</sub> )
額定電壓 Rated Voltage	160 / 250 / 400 / 630 / 1000 / 1600 / 2000 VDC
電容量範圍 Capacitance Range	0.00056μF~15μF
電容量偏差 Capacitance Tolerance	±5%(J), ±10%(K)
耐電壓 Voltage Proof	1.5U <sub>R</sub> , 5sec
絕緣電阻 Insulation Resistance	CR ≤ 0.33μF, IR ≥ 15000MΩ ; CR > 0.33μF, IR ≥ 5000 MΩ/CAP(μF)
損耗角正切 Dissipation Factor	0.1% Max, at 1KHz and 20°C



## MPA/T (CBB20/19) series 軸向金屬化聚丙烯膜電容器

Axial Leaded Metallized Polypropylene Film Capacitor

### 特性 | Feature

較低損耗值、低 ESR、高 IR  
卓越的高頻性能  
優良的溫度特性  
Self-healing property, Low DF, low ESR、High IR  
Excellent frequency characteristics  
Excellent temperature characteristics

### 推薦應用領域 | Typical Application

應用於音訊分頻電路  
應用於高頻和大電流的電子電路  
廣泛應用於一般電子電路中  
Audio-circuit  
High frequency and high current circuits  
General purpose circuits



技術要求參照標準 Specification Reference Standard	GB/T 10190 (IEC 60384-16)
氣候類別 Climatic Category	55/100/21
工作溫度範圍 Operation Temperature Range	-55°C~100°C ( +85°C~+100°C : decreasing factor1.25% per°C for U <sub>R</sub> )
額定電壓 Rated Voltage	250 / 400 / 630 / 1000 / 1250 VDC
電容量範圍 Capacitance Range	0.001μF~15μF
電容量偏差 Capacitance Tolerance	±5%(J) 、 ±10%(K)
耐電壓 Voltage Proof	1.5U <sub>R</sub> , 5sec
絕緣電阻 Insulation Resistance	CR≤0.33μF, IR≥15000MΩ ; CR>0.33μF, IR≥5000 MΩ/CAP(μF)
損耗角正切 Dissipation Factor	0.1% Max, at 1KHz and 20°C

## PPS (CBB81) series 高壓金屬化聚丙烯膜/箔式電容器

High-Voltage Metallized Polypropylene Film/Foil Capacitor

### 特性 | Feature

脈衝能力強  
自愈能力強  
損耗小，內部溫升小  
Very high pulse strength  
Self-healing properties  
Low loss and small inherent temperature rise

### 推薦應用領域 | Typical Application

適用於高脈衝、大電流電路  
適用於電子鎮流器廣  
Suitable for high pulse and high current loading circuit  
Suitable for electronic ballast



技術要求參照標準 Specification Reference Standard	GB/T 10190 (IEC 60384-16)
氣候類別 Climatic Category	40/105/21
工作溫度範圍 Operation Temperature Range	-40°C~105°C ( +85°C~+105°C : decreasing factor1.25% per°C for U <sub>R</sub> )
額定電壓 Rated Voltage	800 / 1000 / 1250 / 1600 / 2000 VDC
電容量範圍 Capacitance Range	0.001μF~0.1μF
電容量偏差 Capacitance Tolerance	±5%(J) 、 ±10%(K)
耐電壓 Voltage Proof	1.5U <sub>R</sub> , 5sec
絕緣電阻 Insulation Resistance	CR≤0.33μF, IR≥15000MΩ ; CR>0.33μF, IR≥5000 MΩ/CAP(μF)
損耗角正切 Dissipation Factor	0.1% Max, at 1KHz and 20°C

## PPN (CBB13) series 聚丙烯膜/箔式電容器

Polypropylene Film/Foil Capacitor

### 特性 | Feature

膜箔式電容器，無感捲繞結構，浸漬型  
優異的頻率和溫度特性  
即使在高頻下，耗損也極小  
Film/foil, non-inductive wound type, dipped  
Excellent frequency and temperature characteristics  
Very small loss even at high frequency

### 推薦應用領域 | Typical Application

廣泛用於高頻、直流和脈衝電路中  
廣泛用於電子整流器  
Widely used in high frequency, DC and pulse circuits  
Suitable for electronic ballast



技術要求參照標準 Specification Reference Standard	GB/T 10188 (IEC 60384-13)
氣候類別 Climatic Category	40/105/21
工作溫度範圍 Operation Temperature Range	-40°C~105°C ( +85°C~+105°C : decreasing factor1.25% per°C for U <sub>R</sub> )
額定電壓 Rated Voltage	100 / 250 / 400 / 630 VDC
電容量範圍 Capacitance Range	0.001μF~0.1μF
電容量偏差 Capacitance Tolerance	±5%(J) 、 ±10%(K)
耐電壓 Voltage Proof	1.5U <sub>R</sub> , 5sec
絕緣電阻 Insulation Resistance	CR≤0.33μF, IR≥15000MΩ ; CR>0.33μF, IR≥5000 MΩ/CAP(μF)
損耗角正切 Dissipation Factor	0.1% Max , at 1KHz and 20°C

## MTP (CBB21S) series 金屬化聚丙烯安全膜電容器

Metallized Polypropylene Afety Film Capacitor

### 特性 | Feature

內部有保險裝置，性能可靠  
體積小，只有同等規格普通電容器的一半  
非常低的介電吸收  
Internal safety device, reliable performance  
Small size, only half of the same specifications of the ordinary capacitor  
Very low dielectric absorption



技術要求參照標準 Specification Reference Standard	GB/T 10190 (IEC 60384-16)
氣候類別 Climatic Category	40/105/21
工作溫度範圍 Operation Temperature Range	-40°C~105°C ( +85°C~+105°C : decreasing factor1.25% per°C for U <sub>R</sub> )
額定電壓 Rated Voltage	450 / 520 / 630 VDC
電容量範圍 Capacitance Range	0.027μF~10μF
電容量偏差 Capacitance Tolerance	±5%(J) 、 ±10%(K)
耐電壓 Voltage Proof	1.5U <sub>R</sub> , 5sec
絕緣電阻 Insulation Resistance	CR≤0.33μF, IR≥15000MΩ ; CR>0.33μF, IR≥5000 MΩ/CAP(μF)
損耗角正切 Dissipation Factor	0.1% Max, at 1KHz and 20°C

### 推薦應用領域 | Typical Application

用於開關電源、電子鎮流器、主機馬達變頻器的中間電路直流濾波  
(如 : Dc-Link, Dc-filter and P.F.C)  
As intermediate circuit capacitors for SMPS, electronic ballast, Inverter  
(i.e: Dc-Link, Dc-filter and P.F.C)

## TPC (CBB23S) series 金屬化聚丙烯安全膜電容器

Metallized Polypropylene Afety Film Capacitor

### 特性 | Feature

內部有保險裝置，性能可靠  
體積小，只有同等規格普通電容器的一半  
非常低的介電吸收  
Internal safety device, reliable performance  
Small size, only half of the same specifications of the ordinary capacitor  
Very low dielectric absorption



技術要求參照標準 Specification Reference Standard	GB/T 10190 (IEC 60384-16)
氣候類別 Climatic Category	40/105/21
工作溫度範圍 Operation Temperature Range	-40°C~105°C ( +85°C~+105°C : decreasing factor1.25% per°C for U <sub>R</sub> )
額定電壓 Rated Voltage	450 / 520 / 630 VDC
電容量範圍 Capacitance Range	0.027μF~8.2μF
電容量偏差 Capacitance Tolerance	±5%(J) 、 ±10%(K)
耐電壓 Voltage Proof	1.5U <sub>R</sub> , 5sec
絕緣電阻 Insulation Resistance	CR≤0.33μF, IR≥15000MΩ ; CR>0.33μF, IR≥5000 MΩ/CAP(μF)
損耗角正切 Dissipation Factor	0.15% Max, at 1KHz and 20°C

### 推薦應用領域 | Typical Application

用於開關電源、電子鎮流器、主機馬達變頻器的中間電路直流濾波  
(如 : Dc-Link, Dc-filter and P.F.C)  
As intermediate circuit capacitors for SMPS, electronic ballast, Inverter  
(i.e: Dc-Link, Dc-filter and P.F.C)

## PDK (MMKP82) series 雙面金屬化聚丙烯膜電容器

Double Metallized Polypropylene Film Capacitor

### 特性 | Feature

雙面金屬化結構,廣泛應用於高壓、高頻及脈衝電路  
損耗小、內部溫升小、負電容量溫度係數  
Double sided metallized structure, widely used in high voltage ,high frequency and pulse circuit  
Low loss and small inherent temperature rise ,negative temperature coefficient of capacitance



技術要求參照標準 Specification Reference Standard	GB/T 14579 (IEC 60384-17)
氣候類別 Climatic Category	40/105/21
工作溫度範圍 Operation Temperature Range	-40°C~105°C ( +85°C~+105°C : decreasing factor1.25% per°C for U <sub>R</sub> )
額定電壓 Rated Voltage	630 / 1000 / 1250 / 1600 / 2000 VDC
電容量範圍 Capacitance Range	0.001μF~0.12μF
電容量偏差 Capacitance Tolerance	±5%(J) 、 ±10%(K)
耐電壓 Voltage Proof	1.5U <sub>R</sub> , 2sec
絕緣電阻 Insulation Resistance	CR≤0.33μF, IR≥15000MΩ ; CR>0.33μF, IR≥5000 MΩ/CAP(μF)
損耗角正切 Dissipation Factor	0.1% Max, at 1KHz and 20°C

### 推薦應用領域 | Typical Application

廣泛應用於高壓高頻脈衝電路中  
電子鎮流器和節能燈中  
吸收和 SCR 整流電路  
Widely used in high voltage, high frequency and pulse circuit  
Lamp capacitor for electronic ballast and compact lamps  
SNUBBER and SCR commutating circuits

## MCB (CBB61) series 金屬化聚丙烯膜交流電機電容器

Metallized Polypropylene Film AC Motor Capacitor

### 特性 | Feature

高自愈特性  
性能穩定，可靠性高  
塑膠外殼(UL94 V-0)，阻燃環氧樹脂填充  
Self-healing property  
Extremely stable performance and reliability  
Plastic case (UL94 V-0), Epoxy resin sealing



技術要求參照標準 Specification Reference Standard	UL810 ; EN60252 ; GB/T3667
氣候及阻燃等級 Climatic and Passive Flammability	40/85/21/C
工作溫度範圍 Operation Temperature Range	-40°C~85°C
額定電壓 Rated Voltage	450VAC for P2;250 VAC,300 VAC,350 VAC,400 VAC,450VAC for P0
電容量範圍 Capacitance Range	1μF~10μF class-P0; 1μF~5μF class-P2
電容量偏差 Capacitance Tolerance	±5%(J)
耐電壓 Voltage Proof	2.0UR , 2sec
絕緣電阻 Insulation Resistance	≥3000MΩ/CAP(μF)
損耗角正切 Dissipation Factor	0.2% Max , at 1KHz and 20°C

### 推薦應用領域 | Typical Application

適用於頻率為 50/60Hz 交流電源供電的單相電動機起動和運轉  
Widely applied to starting and running of AC Single-phase motors at 50/60Hz frequency power

## MEF (CL21) series 金屬化聚乙酯膜電容器

Metallized Polyester Film Capacitor

### 特性 | Feature

容量範圍寬、體積小、重量輕、壽命長、自愈性好  
阻燃性環氧粉末包封、安全性好、外觀一致性好  
Wide capacitance range, small size, and light weight, long life due to self-healing effect  
Flame retardation epoxy resin powder coating provides safety, the identical outer appearance



技術要求參照標準 Specification Reference Standard	GB/T 7332 (IEC 60384-2)
氣候類別 Climatic Category	55/105/21
工作溫度範圍 Operation Temperature Range	-55°C~105°C ( +85°C~+105°C : decreasing factor 1.25% per°C for UR )
額定電壓 Rated Voltage	63 / 100 / 250 / 400 / 630 VDC
電容量範圍 Capacitance Range	0.01μF~10μF
電容量偏差 Capacitance Tolerance	±5%(J) 、 ±10%(K)
耐電壓 Voltage Proof	1.5UR , 5sec
絕緣電阻 Insulation Resistance	CR≤0.33μF, IR≥15000MΩ ; CR>0.33μF, IR≥5000 MΩ/CAP(μF)
損耗角正切 Dissipation Factor	1% Max , at 1KHz and 20°C

### 推薦應用領域 | Typical Application

適用於各種高溫節能燈具  
適用於直流和 VHF 級信號的隔直流、旁路和耦合  
廣泛用於濾波、低脈衝電路中  
Widely used in high temperature light  
Suitable for blocking, by-pass and coupling of DC and signals to VHF range  
Widely used in filter and low pulse circuits

## MEC (CL23) series 金屬化聚乙酯膜電容器

Metallized Polyester Film Capacitor

### 特性 | Feature

高容量 / 電容比  
自愈能力強  
高阻抗  
High volume/capacitance ratio  
Self-healing  
High moisture resistance



技術要求參照標準 Specification Reference Standard	GB/T 7332 (IEC 60384-2)
氣候類別 Climatic Category	55/105/56
工作溫度範圍 Operation Temperature Range	-55°C~105°C ( +85°C~+105°C : decreasing factor 1.25% per°C for UR )
額定電壓 Rated Voltage	63 / 100 / 250 / 400 / 630 VDC
電容量範圍 Capacitance Range	0.0022μF~47μF
電容量偏差 Capacitance Tolerance	±5%(J) 、 ±10%(K)
耐電壓 Voltage Proof	1.5UR , 5sec
絕緣電阻 Insulation Resistance	CR≤0.33μF, IR≥15000MΩ ; CR>0.33μF, IR≥5000 MΩ/CAP(μF)
損耗角正切 Dissipation Factor	1% Max , at 1KHz and 20°C

### 推薦應用領域 | Typical Application

旁路、隔直、耦合、退耦  
脈衝、邏輯、定時、振盪電路  
By-passing, blocking, coupling, decoupling  
Pulse, long, timing, oscillator circuits



## MEA /T (CL20/19) series 軸向金屬化聚乙酯膜電容器

Axial Leaded Metallized Polyester Film Capacitor

### 特性 | Feature

體積小、重量輕、自愈性能優異  
 外包裝聚脂膠帶紙，兩端灌注環氧樹脂  
 Small size, light weight, excellent self-healing property  
 Wrapped with polyester adhesive tape and ends filled

### 推薦應用領域 | Typical Application

隔直流、旁路和耦合（去耦）  
 適用於電子設備的直流和脈動電路  
 Suitable for blocking, by-pass, coupling, and decoupling  
 Suitable for DC impulse and pulse circuit



技術要求參照標準 Specification Reference Standard	GB/T 7332 (IEC 60384-2)
氣候類別 Climatic Category	40/105/21
工作溫度範圍 Operation Temperature Range	-40°C~105°C
額定電壓 Rated Voltage	50 / 63 / 100 / 160 / 250 / 400 / 630 VDC
電容量範圍 Capacitance Range	0.01μF~33μF
電容量偏差 Capacitance Tolerance	±5%(J) 、 ±10%(K)
耐電壓 Voltage Proof	1.6U <sub>R</sub> , 2sec
絕緣電阻 Insulation Resistance	CR≤0.33μF, IR≥15000MΩ ; CR>0.33μF, IR≥5000 MΩ/CAP(μF)
損耗角正切 Dissipation Factor	1% Max , at 1KHz and 20°C

## MEM (CL21X) series 小型化金屬化聚乙酯膜電容器

Miniaturized Metallized Polyester Film Capacitor

### 特性 | Feature

體積小、自愈性好  
 阻燃性環氧粉末包封，安全性好、外觀一致性好  
 Small size and excellent self-healing property  
 Flame retardation epoxy resin powder coating provides safety, the identical outer appearance

### 推薦應用領域 | Typical Application

隔直流、旁路和耦合（去耦）  
 廣泛用於濾波，低脈衝線路  
 用於開關電源、電子鎮流器和變頻器中間電路直流濾波  
 Suitable for blocking, by-pass, coupling, and decoupling  
 Widely used in filter and low pulse circuits  
 As intermediate circuit capacitors for SMPS, Electronic Ballast Inverter



技術要求參照標準 Specification Reference Standard	GB/T 7332 (IEC 60384-2)
氣候類別 Climatic Category	55/105/21
工作溫度範圍 Operation Temperature Range	-55°C~105°C ( +85°C~+105°C : decreasing factor1.25% per°C for U <sub>R</sub> )
額定電壓 Rated Voltage	63 / 100 / 250 VDC
電容量範圍 Capacitance Range	0.001μF~1μF
電容量偏差 Capacitance Tolerance	±5%(J) 、 ±10%(K)
耐電壓 Voltage Proof	1.5U <sub>R</sub> , 5sec
絕緣電阻 Insulation Resistance	CR≤0.33μF, IR≥15000MΩ ; CR>0.33μF, IR≥5000 MΩ/CAP(μF)
損耗角正切 Dissipation Factor	1% Max , at 1KHz and 20°C

## MEB (CL23B) series 小型化金屬化聚乙酯膜電容器

Miniaturized Metallized Polyester Film Capacitor

### 特性 | Feature

體積小、自愈性好  
 抗脈衝能力強  
 高可靠性  
 Small size and excellent self-healing property  
 High dv/dt ability  
 High reliability

### 推薦應用領域 | Typical Application

旁路、隔直、耦合、退耦  
 用於直流或脈動電路中，特別適用於程式控制交換機  
 LCD 監視器整流，汽車直流馬達抑制干擾  
 By-passing, blocking, coupling, decoupling  
 For DC or pulse circuit, especially suitable for program-controlled switches  
 Invert for LCD monitors, automotive DC motor suppression



技術要求參照標準 Specification Reference Standard	GB/T 7332 (IEC 60384-2)
氣候類別 Climatic Category	55/105/56
工作溫度範圍 Operation Temperature Range	-55°C~105°C ( +85°C~+105°C : decreasing factor1.25% per°C for U <sub>R</sub> )
額定電壓 Rated Voltage	63 / 100 / 250 VDC
電容量範圍 Capacitance Range	0.001μF~1μF
電容量偏差 Capacitance Tolerance	±5%(J) 、 ±10%(K)
耐電壓 Voltage Proof	1.5U <sub>R</sub> , 5sec
絕緣電阻 Insulation Resistance	CR≤0.33μF, IR≥15000MΩ ; CR>0.33μF, IR≥5000 MΩ/CAP(μF)
損耗角正切 Dissipation Factor	1% Max , at 1KHz and 20°C

## MTE (CL21S) series 金屬化聚乙酯安全膜電容器

Metallized Polyester Afety Film Capacitor

### 特性 | Feature

內部有保險裝置，性能可靠  
體積小，只有同等規格普通電容器的一半  
非常低的介電吸收  
Internal safety device, reliable performance  
Small size, only half of the same specifications of the ordinary capacitor  
Very low dielectric absorption



技術要求參照標準 Specification Reference Standard	GB/T 7332 (IEC 60384-2)
氣候類別 Climatic Category	55/105/21
工作溫度範圍 Operation Temperature Range	-55°C~105°C ( +85°C~+105°C : decreasing factor1.25% per°C for U <sub>R</sub> )
額定電壓 Rated Voltage	250 / 400 / 450 / 630 VDC
電容量範圍 Capacitance Range	0.01μF~10μF
電容量偏差 Capacitance Tolerance	±5%(J) 、 ±10%(K)
耐電壓 Voltage Proof	1.5U <sub>R</sub> , 5sec
絕緣電阻 Insulation Resistance	CR≤0.33μF, IR≥15000MΩ ; CR>0.33μF, IR≥5000 MΩ/CAP(μF)
損耗角正切 Dissipation Factor	1% Max , at 1KHz and 20°C

### 推薦應用領域 | Typical Application

用於開關電源、電子鎮流器、主機馬達變頻器的中間電路  
(如 : Dc-Link, Dc-filter and P.F.C)  
As intermediate circuit capacitors for SMPS, electronic ballast, Inverter  
(i.e: Dc-Link, Dc-filter and P.F.C)

## TEC (CL23S) series 金屬化聚乙酯安全膜電容器

Metallized Polyester Afety Film Capacitor

### 特性 | Feature

內部有保險裝置，性能可靠  
體積小，只有同等規格普通電容器的一半  
非常低的介電吸收  
Internal safety device, reliable performance  
Small size, only half of the same specifications of the ordinary capacitor  
Very low dielectric absorption



技術要求參照標準 Specification Reference Standard	GB/T 7332 (IEC 60384-2)
氣候類別 Climatic Category	55/105/21
工作溫度範圍 Operation Temperature Range	-55°C~105°C ( +85°C~+105°C : decreasing factor1.25% per°C for U <sub>R</sub> )
額定電壓 Rated Voltage	250 / 400 / 450 / 630 VDC
電容量範圍 Capacitance Range	0.01μF~10μF
電容量偏差 Capacitance Tolerance	±5%(J) 、 ±10%(K)
耐電壓 Voltage Proof	1.5U <sub>R</sub> , 5sec
絕緣電阻 Insulation Resistance	CR≤0.33μF, IR≥15000MΩ ; CR>0.33μF, IR≥5000 MΩ/CAP(μF)
損耗角正切 Dissipation Factor	1% Max , at 1KHz and 20°C

### 推薦應用領域 | Typical Application

用於開關電源，電子鎮流器，主機馬達變頻器的中間電路  
(如 : Dc-Link, Dc-filter and P.F.C)  
As intermediate circuit capacitors for SMPS, electronic ballast, Inverter  
(i.e: Dc-Link, Dc-filter and P.F.C)

## PEI (CL11) series 有感箔式聚乙酯膜電容器

Inductive Polyester Film/Foil Capacitor

### 特性 | Feature

引線直接點焊於電極，損耗小  
環氧樹脂真空浸漬，提高了耐濕性，機械強度  
Dissipation factor is small because the leads are welded directly on the foil  
Epoxy resin vacuum-dipped, enhance the mechanical strength and humidity resistance



技術要求參照標準 Specification Reference Standard	GB/T 6346 (IEC 60384-11)
氣候類別 Climatic Category	55/100/21
工作溫度範圍 Operation Temperature Range	-55°C~100°C ( +85°C~+100°C : decreasing factor1.25% per°C for U <sub>R</sub> )
額定電壓 Rated Voltage	100 / 250 / 400 / 630 / 1000 VDC
電容量範圍 Capacitance Range	0.0001μF~0.47μF
電容量偏差 Capacitance Tolerance	±5%(J) 、 ±10%(K)
耐電壓 Voltage Proof	2.0U <sub>R</sub> , 5sec
絕緣電阻 Insulation Resistance	CR≤0.1μF, IR≥30000MΩ; CR>0.1μF, IR≥10000MΩ
損耗角正切 Dissipation Factor	1% Max , at 1KHz and 20°C

### 推薦應用領域 | Typical Application

適用於各種電子線路中的直流，低脈衝線路  
適用於各種高溫節能燈具  
Widely used in DC and low pulse circuits  
Widely used in high temperature light



始創臺灣.深耕兩岸.放眼世界~30 年久煉成鋼..

JEC 儼然成為安全(安規)電子元件代名詞;1986 年瓷介電容,薄膜電容,氧化鋅突波吸收器相繼投產乃至進入 500VAC 高標安規領域,彰顯 JEC 作為行業領先者的地位.

在內地, JEC 早於 1998 年先後在 東莞/汕頭/蘇州/成都 分設工廠及銷售公司;秉承“始終如一為客戶服務”宗旨, 追求不斷的創新與鞏固發展不竭動力,多年來全球覆蓋的銷售網路已為 40 多個國家及地區提供優質產品.

Founded in Taiwan, operate in Taiwan and Mainland China in depth, meanwhile trying to develop in around the world, through 30 years of experience and already establish a strong business structure..

JEC's has become security (safety) electronic components synonymous. Since 1986 ceramic capacitors, then film capacitors and Zinc oxide surge absorber have been put into production, even 500VAC high voltage of safety capacitors enter the field, all these highlight the JEC's position as the industry leader.

In the mainland, JEC early in 1998 and after in Dongguan / Shantou / Suzhou / Chengdu, has setup factories and sales companies. Adhering to the "consistent customer service" purpose, to pursue constant innovation, consolidate and develop an inexhaustible motive force, over the years covering the global sales network, has been providing quality products for more than 40 countries and regions.





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廣東  
東莞市智旭電子有限公司  
JHY HSU (JEC) ELECTRONICS., LTD.  
地址: 廣東省東莞市道滘鎮蔡白村道  
厚路律衡橋頭旁  
TEL: +86-769-8831 3601  
FAX: +86-769-8831 3603  
E-Mail: jec@es-ycap.com

台灣  
台灣智旭電子有限公司  
JHY HSU (JEC) ELECTRONICS., LTD.  
地址: 台灣台中市大里區立仁路 222  
巷 64 號  
TEL: +886-4-2275 2703  
FAX: +886-4-2275 2236  
E-Mail: jec@es-ycap.com

江蘇  
蘇州智旭鴻品電子有限公司  
JHY HSU (JEC) ELECTRONICS., LTD.  
地址: 江蘇省蘇州市相城區黃埭鎮潘陽工業  
園春秋路 31 號  
TEL: +86-512-6673 5222  
FAX: +86-512-6673 5223  
E-Mail: jec@es-ycap.com

香港  
香港智中電子有限公司  
JHY CHUNG ELECTRONIC CO., LIMITED.  
地址: 香港九龍尖沙咀漆咸道南 1 號 10 樓  
TEL: +852-2736 3383  
FAX: +852-2735 2168  
E-Mail: jec@es-ycap.com

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