

Ceramic Capacitors|陶瓷電容

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JD (CT7) series 安規標準認證陶瓷電容器-Y1 500VAC

Safety Standard Certified Ceramic Capacitor - Y1 500 VAC

特性

抑制電源電磁干擾用電容器，具有高介電係數的陶瓷介質和阻燃環氧樹脂封裝，適用於電子設備的電源電路噪音壓制電路中，也可用作天線耦合跨接和旁路電路中



技術要求參照標準 Specification Reference Standard	IEC 60384-14 ; EN 60384-14 ; IEC UL60384
認證標志 Approved Monogram	VDE / ENEC / IEC / UL / CSA
等級 Subclass ; 額定電壓 Rated Voltage(U _R)	X1 / Y1 ; 500VAC / 500VAC
電容量範圍 Capacitance Range	10pF ~ 10000pF
耐電壓 Voltage Proof	4000VAC for 1min
電容量偏差 Capacitance Tolerance	Y5P±10%(K);Y5U,Y5V±20%(M) measured at 25°C,1Vrms,1KHz
介質損耗 Dissipation Factor (tgδ)	Y5P,Y5U tgδ≤2.5% ; Y5V tgδ≤5% measured at 25°C,1Vrms,1KHz
絕緣電阻 Insulation Resistance(IR)	IR≥10000MΩ,1min,100VDC
使用溫度範圍 Operating Temperature	-40°C ~ +85°C ; -40°C ~ +125°C
溫度特性 Temperature Characteristic	Y5P,Y5U,Y5V
阻燃環氧樹脂 Flame Retardant Epoxy	UL94-V0

Feature

The ac disc ceramic capacitors have dielectric of high dielectric constant ceramic and encapsulation of flame retardant epoxy .these capacitors are used in circuits of noise suppression circuit of power supply for general electronic equipment , and may be used as antenna coupling , crossing and bypass circuit .

JD (CT7) series 安規標準認證陶瓷電容器-Y1 400VAC

Safety Standard Certified Ceramic Capacitor - Y1 400 VAC

特性

抑制電源電磁干擾用電容器，具有高介電係數的陶瓷介質和阻燃環氧樹脂封裝，適用於電子設備的電源電路噪音壓制電路中，也可用作天線耦合跨接和旁路電路中



技術要求參照標準 Specification Reference Standard	IEC 60384-14 ; EN 60384-14 ; IEC UL60384 ; K 60384
認證標志 Approved Monogram	VDE / ENEC / IEC / UL / CSA / KC / CQC
等級 Subclass ; 額定電壓 Rated Voltage(U _R)	X1 / Y1 ; 400VAC / 400VAC
電容量範圍 Capacitance Range	10pF ~ 10000pF
耐電壓 Voltage Proof	4000VAC for 1min
電容量偏差 Capacitance Tolerance	Y5P±10%(K) ; Y5U,Y5V±20%(M) measured at 25°C,1Vrms,1KHz
介質損耗 Dissipation Factor (tgδ)	Y5P,Y5U tgδ≤2.5% ; Y5V tgδ≤5% measured at 25°C,1Vrms,1KHz
絕緣電阻 Insulation Resistance(IR)	IR≥10000MΩ,1min,100VDC
使用溫度範圍 Operating Temperature	-40°C ~ +85°C ; -40°C ~ +125°C
溫度特性 Temperature Characteristic	Y5P,Y5U,Y5V
阻燃環氧樹脂 Flame Retardant Epoxy	UL94-V0

Feature

The ac disc ceramic capacitors have dielectric of high dielectric constant ceramic and encapsulation of flame retardant epoxy .these capacitors are used in circuits of noise suppression circuit of power supply for general electronic equipment , and may be used as antenna coupling , crossing and bypass circuit .

JY (CT7) series 安規標準認證陶瓷電容器-Y2 500VAC

Safety Standard Certified Ceramic Capacitor - Y2 500 VAC

特性

抑制電源電磁干擾用電容器，具有高介電係數的陶瓷介質和阻燃環氧樹脂封裝，適用於電子設備的電源電路噪音壓制電路中，也可用作天線耦合跨接和旁路電路中



技術要求參照標準 Specification Reference Standard	IEC 60384-14 ; EN 60384-14 ; IEC UL60384
認證標志 Approved Monogram	VDE / ENEC / IEC / UL / CSA
等級 Subclass ; 額定電壓 Rated Voltage(U _R)	X1 / Y2 ; 500VAC / 500VAC
電容量範圍 Capacitance Range	10pF ~ 10000pF
耐電壓 Voltage Proof	2600VAC for 1min
電容量偏差 Capacitance Tolerance	Y5P±10%(K) ; Y5U,Y5V±20%(M) measured at 25°C,1Vrms,1KHz
介質損耗 Dissipation Factor (tgδ)	Y5P,Y5U tgδ≤2.5% ; Y5V tgδ≤5% measured at 25°C,1Vrms,1KHz
絕緣電阻 Insulation Resistance(IR)	IR≥10000MΩ,1min,100VDC
使用溫度範圍 Operating Temperature	-40°C ~ +85°C ; -40°C ~ +125°C
溫度特性 Temperature Characteristic	Y5P,Y5U,Y5V
阻燃環氧樹脂 Flame Retardant Epoxy	UL94-V0

Feature

The ac disc ceramic capacitors have dielectric of high dielectric constant ceramic and encapsulation of flame retardant epoxy .these capacitors are used in circuits of noise suppression circuit of power supply for general electronic equipment , and may be used as antenna coupling , crossing and bypass circuit .

JY (CT7) series 安規標準認證陶瓷電容器-Y2 300VAC

Safety Standard Certified Ceramic Capacitor - Y2 300 VAC

特性

抑制電源電磁干擾用電容器，具有高介電係數的陶瓷介質和阻燃環氧樹脂封裝，適用於電子設備的電源電路噪音壓制電路中，也可用作天線耦合跨接和旁路電路中



Feature

The ac disc ceramic capacitors have dielectric of high dielectric constant ceramic and encapsulation of flame retardant epoxy. these capacitors are used in circuits of noise suppression circuit of power supply for general electronic equipment, and may be used as antenna coupling, crossing and bypass circuit.

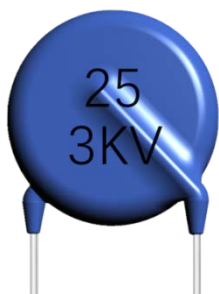
技術要求參照標準 Specification Reference Standard	IEC 60384-14 ; EN 60384-14 ; IEC UL60384 ; K 60384
認證標志 Approved Monogram	VDE / ENEC / IEC / UL / CSA / KC / CQC
等級 Subclass ; 額定電壓 Rated Voltage(U _R)	X1 / Y2 ; 400VAC / 300VAC
電容量範圍 Capacitance Range	10pF ~ 10000pF
耐電壓 Voltage Proof	2000VAC for 1min
電容量偏差 Capacitance Tolerance	Y5P±10%(K) ; Y5U,Y5V±20%(M) measured at 25°C,1Vrms,1KHz
介質損耗 Dissipation Factor (tgδ)	Y5P,Y5U tgδ≤2.5% ; Y5V tgδ≤5% measured at 25°C,1Vrms,1KHz
絕緣電阻 Insulation Resistance(IR)	IR≥10000MΩ,1min,100VDC
使用溫度範圍 Operating Temperature	-40°C ~ +85°C ; -40°C ~ +125°C
溫度特性 Temperature Characteristic	Y5P,Y5U,Y5V
阻燃環氧樹脂 Flame Retardant Epoxy	UL94-V0

HC (CC81) series 高壓溫度補償型陶瓷電容器

High Voltage Temperature Compensation Disk Ceramic Capacitor

特性

損耗低、容量穩定性高，適用於脈動電路，諧振回路及溫度補償效應的電路



Feature

Low DF, stable capacitance, suits for pulse circuit, resonant circuit and temperature compensated circuit.

技術要求參照標準 Specification Reference Standard	GB/T 2693-2001 ; GB/T 5966-1996
額定電壓 Rated Voltage(U _R)	500 / 1K / 2K / 3K / 4K VDC
電容量範圍 Capacitance Range	0.5pF ~ 120pF
耐電壓 Voltage Proof	<500V,2.5U _R ; ≥500V≤3KV,1.5U _R +500V ; >3KV,1.2U _R
電容量偏差 Capacitance Tolerance	NPO±0.5pF(D)±5%(J) ; SL±5%(J)±10%(K)
介質損耗 Dissipation Factor (tgδ)	C<30pF,Q≥400+20C ; C≥30pF,Q≥1000
絕緣電阻 Insulation Resistance(IR)	IR≥10000MΩ,1min,100VDC
使用溫度範圍 Operating Temperature	-25°C ~ +85°C
溫度特性 Temperature Characteristic	NPO,SL
阻燃環氧樹脂 Flame Retardant Epoxy	UL94-V0

HT (CT81) series 高壓高介電常數型陶瓷電容器

High Voltage High Dielectric Constant Disk Ceramic Capacitor

特性

具有多種溫度級別，適用於作高壓旁路或耦合電路中



Feature

The capacitor have various category of T.C, widely used in all sorts of electronic instrument and high voltage by-passing or coupling circuit.

技術要求參照標準 Specification Reference Standard	GB/T 2693-2001 ; GB/T 5968-1996
額定電壓 Rated Voltage(U _R)	500 / 1K / 2K / 3K / 4K / 5K / 6K VDC
電容量範圍 Capacitance Range	100pF ~ 100000pF
耐電壓 Voltage Proof	<500V,2.5U _R ; ≥500V≤3KV,1.5U _R +500V ; >3KV,1.2U _R
電容量偏差 Capacitance Tolerance	Y5P,Y5U±10%(K) ; Y5U,Y5V±20%(M)
介質損耗 Dissipation Factor (tgδ)	Y5P,Y5U,Y5V:tg δ ≤2.0% ; Y5P(低損耗型):tg δ ≤0.5% ; Y5R:tg δ ≤0.3%
絕緣電阻 Insulation Resistance(IR)	IR≥4000MΩ,1min,100VDC
使用溫度範圍 Operating Temperature	-25°C ~ +85°C
溫度特性 Temperature Characteristic	Y5P,Y5U,Y5V
阻燃環氧樹脂 Flame Retardant Epoxy	UL94-V0

CC (CC1) series 低壓溫度補償型陶瓷電容器

Low Voltage Temperature Compensation Disk Ceramic Capacitor

特性

損耗低、容量穩定性高、電容量變化與溫度呈線性關係、多種溫度係數,適用於諧振回路及溫度補償效應的電路

Feature

Low DF, stable capacitance, the linear capacitance change with temperature. Designed from all series T.C suits for resonant circuit and temperature compensated circuit.



技術要求參照標準 Specification Reference Standard	GB/T 2693-2001 ; GB/T 5966-1996
額定電壓 Rated Voltage(U _R)	50 (63) / 100 / 250 VDC
電容量範圍 Capacitance Range	0.5pF ~ 10000pF
耐電壓 Voltage Proof	2.5U _R
電容量偏差 Capacitance Tolerance	±0.25pF(C), ±0.5 pF(D), ±5%(J), ±10%(K)
品質因數 Quality Factor (Q)	C<30pF:Q≥400+20C ; C≥30pF:Q≥1000
絕緣電阻 Insulation Resistance(IR)	IR≥10000MΩ
使用溫度範圍 Operating Temperature	-25°C ~ +85°C
溫度特性 Temperature Characteristic	NPO,N750,SL
阻燃環氧樹脂 Flame Retardant Epoxy	UL94-V0

CT (CT1) series 低壓高介電常數型陶瓷電容器

Low Voltage High Dielectric Constant Disk Ceramic Capacitor

特性

具有多種溫度級別、適用於作旁路或耦合、低頻損耗和電容量穩定性能要求不高的振頻電路中

Feature

Have various category of T.C are available for by-passing, coupling, low DF and resonant circuit of low stability capacitance.



技術要求參照標準 Specification Reference Standard	GB/T 2693-2001 ; GB/T 5968-1996
額定電壓 Rated Voltage(U _R)	50 (63) / 100 / 250 VDC
電容量範圍 Capacitance Range	100pF ~ 22000pF
耐電壓 Voltage Proof	2.5U _R
電容量偏差 Capacitance Tolerance	Y5P±10%(K) ; Y5U, Y5V±20%(M) ; Y5V+80%-20%(Z)
介質損耗 Dissipation Factor (tgδ)	tg δ ≤2.5%
絕緣電阻 Insulation Resistance(IR)	IR≥4000MΩ
使用溫度範圍 Operating Temperature	-25°C ~ +85°C
溫度特性 Temperature Characteristic	Y5P,Y5U,Y5V
阻燃環氧樹脂 Flame Retardant Epoxy	UL94-V0

CS (CS1) series 半導體型陶瓷電容器

Semiconductor Disk Ceramic Capacitor

特性

三類瓷介電容器晶片屬於表面層半導體結構、其電容器具有大容量、小體積等特點,適用於濾波、旁路、耦合等電路中

Feature

Fixed capacitors of ceramic dielectric, class 3 belong to surface layer semi-conductive construction, have characteristics such as higher capacitance, small size etc, they are best suited for use in filter circuit, bypass circuit and coupling circuit etc.



技術要求參照標準 Specification Reference Standard	GB 11305-89
額定電壓 Rated Voltage(U _R)	16 / 25 / 50 / 63 / 100 VDC
電容量範圍 Capacitance Range	3300pF to 220000pF
耐電壓 Voltage Proof	≤100V, 1.5U _R ; ≥100V, 1.25U _R
電容量偏差 Capacitance Tolerance	Y5P±10%(K) ; Y5P,Y5U,Y5V±20%(M) ; Y5V+80%-20%(Z)
介質損耗 Dissipation Factor (tgδ)	16V:tg δ ≤7% ; 25V/50V:tg δ ≤3.5(Y5P) , tg δ ≤5%(Y5U,Y5V)
絕緣電阻 Insulation Resistance(IR)	16V:IR≥100MΩ ; 25V IR≥250MΩ ; 50V:IR≥1000MΩ
使用溫度範圍 Operating Temperature	-25°C ~ +85°C
溫度特性 Temperature Characteristic	Y5P,Y5U,Y5V
阻燃環氧樹脂 Flame Retardant Epoxy	UL94-V0

RC (CC4) series 一類徑向引線多層陶瓷電容器

Class I Radial Leaded Multilayer Ceramic Capacitor

特性

體積小、容量大、絕緣電阻擊穿電壓高特點，環氧樹脂封裝，具有優良的耐壓、防熱、防震、抗潮性能，再焊接及清洗時不損壞電容表面，適用於旁路電容器

Feature

Miniature size, large capacitance. Epoxy resin coating creates excellent performance in humidity resistance, mechanical and heat resistance, are optimum for bypass capacitors.



技術要求參照標準 Specification Reference Standard		IEC 60384-9
額定電壓 Rated Voltage(U _R)	25 / 50 / 100 VDC	(≥250VDC 依客戶需求設計 ≥250VDC Request by customer)
電容量範圍 Capacitance Range	0.5pF ~ 47000 pF	
耐電壓 Voltage Proof	2.5U _R	
電容量偏差 Capacitance Tolerance	±0.25pF(C), ±0.5 pF (D), ±5%(J), ±10%(K), ±20%(M)	
介質損耗 Dissipation Factor (tgδ)	tg δ ≤0.15%	
絕緣電阻 Insulation Resistance(IR)	C≤10 nF : IR>10000MΩ ; C>10 nF : R.C>100MΩ·μF	
使用溫度範圍 Operating Temperature	-55°C ~ +125°C	
溫度特性 Temperature Characteristic	NPO,N750,SL	
阻燃環氧樹脂 Flame Retardant Epoxy	UL94-V0	

RT (CT4) series 二類徑向引線多層陶瓷電容器

Class II Radial Leaded Multilayer Ceramic Capacitor

特性

體積小、容量大，能製作比一類瓷介更大的電容器，絕緣電阻擊穿電壓高特點，環氧樹脂封裝，具有優良的耐壓、防熱、防震、抗潮性能，再焊接及清洗時不損壞電容表面，適用於旁路電容器

Feature

Miniature size, offers higher capacitance ranges than class I, large capacitance. Epoxy resin coating creates excellent performance in humidity resistance, mechanical and heat resistance, are optimum for bypass capacitors.



技術要求參照標準 Specification Reference Standard		IEC 60384-9
額定電壓 Rated Voltage(U _R)	25 / 50 / 100 VDC	(≥250VDC 依客戶需求設計 ≥250VDC Request by customer)
電容量範圍 Capacitance Range	100pF ~ 22 μF	
耐電壓 Voltage Proof	2.5U _R	
電容量偏差 Capacitance Tolerance	±10%(K), ±20%(M), +80%-20%(Z)	
介質損耗 Dissipation Factor (tgδ)	X7R≤3.5%, Y5V≤7.0% (220nF 以下), ≤10.0% (220~470nF) ≤12.5% (470 nF ~10 μF)	
絕緣電阻 Insulation Resistance(IR)	C≤25 nF : IR>4000MΩ ; C>25 nF : R.C>100MΩ·μF	
使用溫度範圍 Operating Temperature	X7R, -55°C ~ +125°C ; Y5V, -25°C ~ +85°C	
溫度特性 Temperature Characteristic	X7R, Y5V	
阻燃環氧樹脂 Flame Retardant Epoxy	UL94-V0	

AC (CC42) series 一類軸向引線多層陶瓷電容器

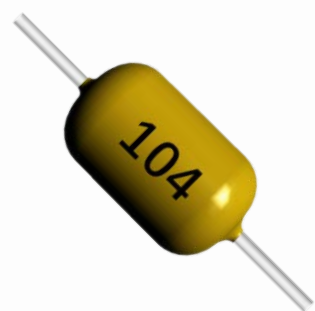
Class I Axial Leaded Multilayer Ceramic Capacitor

特性

體積小、容量大，與徑向型相比，其自動貼片成本低，零件高度下降，安裝密度提高亦減少了占位空間，適用於旁路電容器

Feature

Miniature size, large capacitance. Automatic insertion related costs are lower than with radial type capacitors, are optimum for bypass capacitors.



技術要求參照標準 Specification Reference Standard		IEC 60384-9
額定電壓 Rated Voltage(U _R)	25 / 50 / 100 VDC	(≥250VDC 依客戶需求設計 ≥250VDC Request by customer)
電容量範圍 Capacitance Range	0.3pF ~ 5600pF	
耐電壓 Voltage Proof	2.5U _R	
電容量偏差 Capacitance Tolerance	±0.25pF(C), ±0.5 Pf(D), ±5%(J), ±10%(K), ±20%(M)	
介質損耗 Dissipation Factor (tgδ)	≤0.15%	
絕緣電阻 Insulation Resistance(IR)	C≤10 nF : IR>10000MΩ ; C>10 nF : R.C>100MΩ·μF	
使用溫度範圍 Operating Temperature	-55°C ~ +125°C	
溫度特性 Temperature Characteristic	NPO,N750,SL	
阻燃環氧樹脂 Flame Retardant Epoxy	UL94-V0	

AT (CT42) series 二類軸向引線多層陶瓷電容器

Class II Axial Leaded Multilayer Ceramic Capacitor

特性

體積小・容量大・能製作比一類瓷介更大的電容器・與徑向型相比,其自動貼片成本低,零件高度下降・安裝密度提高・也減少了占位空間・適用於旁路電容器

Feature

Miniature size, offers higher capacitance ranges than class I, large capacitance. Automatic insertion related costs are lower than with radial type capacitors, are optimum for bypass capacitors.



技術要求參照標準 Specification Reference Standard	IEC 60384-9	
額定電壓 Rated Voltage(U _R)	25 / 50 / 100 VDC	(≥250VDC 依客戶需求設計 ≥250VDC Request by customer)
電容量範圍 Capacitance Range	100pF ~ 1.2 μF	
耐電壓 Voltage Proof	2.5U _R	
電容量偏差 Capacitance Tolerance	±10%(K), ±20%(M), +80%-20%(Z)	
介質損耗 Dissipation Factor (tgδ)	X7R≤3.5%, Y5V≤7.0%(220nF 以下), ≤10.0%(220~470nF) ≤12.5%(470 nF ~ 10 μF)	
絕緣電阻 Insulation Resistance(IR)	C≤25 nF : IR>4000MΩ ; C>25 nF : R.C>100MΩ·μF	
使用溫度範圍 Operating Temperature	X7R, -55°C to +125°C ; Y5V, -25°C to +85°C	
溫度特性 Temperature Characteristic	X7R, Y5V	
阻燃環氧樹脂 Flame Retardant Epoxy	UL94-V0	



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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