

Circuit Protection| 電路保護

JEC's complete line of circuit protection, are designed for use in all types of electronic equipment including power and alternative energy, industrial, telecommunications, automotive, military, medical and consumer electronics applications.



Contribute to environment protection by simple product guide manual option, Please visit our official website for more information.
為保護環境使用簡易產品手冊,更多產品詳情請訪問官方網站

05D~20D Series 標準型氧化鋅壓敏電阻器

Standard Type Metal Oxide Varistor

特性 | Feature

小型,耐電湧電流量大
最大"能量處理能力"以緊湊尺寸吸收瞬態過電壓
壓敏電壓相容範圍廣
Large withstanding surge current capability in compact sizes
Large "Energy Handling Capability" absorbing transient over voltages in compact sizes
Wide range of varistor voltages

推薦應用領域 | Typical Application

用於保護半導體元件 (二極體,三極管,可控矽,IC 等)
用於保護民用電子設備
用於保護通信,計測,控制裝置
Transistor, diode, IC, thyristor or triac semiconductor protection
Surge protection in consumer electronic equipment
Surge protection in communication, measuring or controller electronics



性能指標 Technical Data

型號尺寸 Model Size	Φ5mm ~ Φ20mm						
工作/儲存溫度範圍 Operating /Storage Temperature	-40°C ~ +85°C/-40°C ~ +125°C						
耐浪湧電流 Withstanding Surge Current:	100~6500A						
認證標誌 Approved Monogram	UL ,VDE ,CSA ,CQC						
Series	Maximun Allowable Voltage 可容許之最大電壓		Varistor Voltage 壓敏電壓			Maximun Clamping Voltage 最大抑制電壓	
	AC rms(V)	DC(V)	Min.	Vb(Vdc)	Max.	Vc(V)	Ip(A)
05D~20D	11~1000	14~1465	15~1620	18~1800	21~1980	38~2970	1~100

05D~32D Series 高能型氧化鋅壓敏電阻器

High Surge Type Metal Oxide Varistor

特性 | Feature

最大通流等級可達 30KA
最大"能量處理能力"以緊湊尺寸吸收瞬態過電壓
壓敏電壓相容範圍廣
High surge current rating up to 15KA
Large "Energy Handling Capability" absorbing transient over voltages in compact sizes
Wide range of varistor voltages

推薦應用領域 | Typical Application

用於保護半導體元件(二極體,三極管,可控矽,IC 等)
用於保護民用電子設備
用於保護通信,計測,控制裝置
Transistor, diode, IC, thyristor or triac semiconductor protection
Surge protection in consumer electronic equipment
Surge protection in communication, measuring or controller electronics



耐浪湧電流 Withstanding Surge Current

型式 Type	05D	07D	10D	14D	20D	25D	32D
Class-J1	800A	1750A	3500A	6000A	10000A	15000A	20000A
Class-J2			4000A	7000A	12000A	18000A	25000A
Class-J3			4500A	8000A	15000A	20000A	30000A
Series	Maximun Allowable Voltage 可容許之最大電壓		Varistor Voltage 壓敏電壓			Maximun Clamping Voltage 最大抑制電壓	
	AC rms(V)	DC(V)	Min.	Vb(Vdc)	Max.	Vc(V)	Ip(A)
05D~32D	11~1000	14~1465	15~1620	18~1800	21~1980	38~2970	1~150

10D~20D Series 組合波型氧化鋅壓敏電阻器

Combination Wave Type Metal Oxide Varistor

特性 | Feature

產品可耐受 10KV/5KA 組合波, 符合此標準的產品尺寸有直徑 10mm、14mm、20mm,
壓敏電壓為 180V~680V
壓敏電壓相容範圍廣
Products pass 10KV/5KA combination wave test.
Products are compliant with the standards and their body sizes are available in 10 mm, 14 mm, and 20 mm (diameter)
Wide range of varistor voltages.

推薦應用領域 | Typical Application

用於保護半導體元件 (二極體,三極管,可控矽,IC 等)
用於保護民用電子設備
用於保護通信,計測,控制裝置
Transistor, diode, IC, thyristor or triac semiconductor protection
Surge protection in consumer electronic equipment
Surge protection in communication, measuring or controller electronics



組合波類別及代碼 Combination wave class and code

衝擊等級 Pulse class	15-20 次(times)	20-30 次(times)	30-40 次(times)	40-60 次(times)	>60 次(times)
4KV/2KA	EA	EB	EC	ED	EE
6KV/3KA	SA	SB	SC	SD	SE
10KV/5KA	YA	YB	YC	YD	YE

Series	Maximun Allowable Voltage 可容許之最大電壓		Varistor Voltage 壓敏電壓			Maximun Clamping Voltage 最大抑制電壓	
	AC rms(V)	DC(V)	Min.	Vb(Vdc)	Max.	Vc(V)	Ip(A)
10D~20D	115~420	150~560	162~612	180~680	198~748	300~1120	25~100

05D~32D Series 高溫型氧化鋅壓敏電阻器 (125°C)

High Temperature Type Metal Oxide Varistor (125°C)

特性 | Feature

產品的操作溫度為 125°C，所以可以在更嚴苛的環境下提供過溫度保護或溫度控制，推薦的應用為高階伺服器、家電、工控儀錶等產品

High operating temperature 125°C of the device enables it to offer over-temperature protection or temperature measurement under more stringent operating environment. Therefore, it is recommended to high-end servers, home appliances, industrial control equipments, and etc.



產品類別 Product Type			代碼 Code	說明 Note			
高溫標準型 High Temperature Standard Type			H	H=高溫等級 High Temperature Type			
高溫高能型 High Temperature High Surge Type			J1H/J2H/J3H	J1~J3=耐浪湧電流等級 Withstanding Surge Current Class			
高溫組合波型 High Temperature Combination Wave Type			E□H/S□H/Y□H	E,S,Y=衝擊等級 Pulse class ; □=衝擊次數 Pulsing times			
高溫盤型 High Temperature Disc Type			H	H=高溫等級 High Temperature Type			

Series	Maximun Allowable Voltage 可容許之最大電壓		Varistor Voltage 壓敏電壓			Maximun Clamping Voltage 最大抑制電壓	
	AC rms(V)	DC(V)	Min.	Vb(Vdc)	Max.	Vc(V)	Ip(A)
05D~32D	11~1000	14~1465	15~1620	18~1800	21~1980	38~2970	1~200

推薦應用領域 | Typical Application

用於保護半導體元件 (二極體,三極管,可控矽,IC等)

用於保護民用電子設備

用於保護通信,計測,控制裝置

Transistor, diode, IC, thyristor or triac semiconductor protection

Surge protection in consumer electronic equipment

Surge protection in communication, measuring or controller electronics

25D~32D Series 盤式防雷壓敏電阻器

Disc Type Varistor For Lightning Protection

特性 | Feature

高能處理能力

耐電湧電流量大

電氣端子與固定端子的一體化

High energy handling capability

Large withstanding peak current

Common terminals for electrical connection and mounting

推薦應用領域 | Typical Application

用於工業設備,辦公自動化設備,工廠自動化

用於電源插排

用於電源電湧抑制器

Power suppliers for OA, FA, telecommunication or industrial equipment

Power strips

Transient voltage surge suppressor units



性能指標 Technical Data							
型號尺寸 Model Size			Φ25mm ~ Φ32mm				
工作/儲存溫度範圍 Operating /Storage Temperature			-40°C ~ +85°C/-40°C ~ +125°C				
耐浪湧電流 Withstanding Surge Current:			15KA~25KA				
認證標志 Approved Monogram			UL Φ 25/32D ; CUL Φ 32 D				

Series	Maximun Allowable Voltage 可容許之最大電壓		Varistor Voltage 壓敏電壓			Maximun Clamping Voltage 最大抑制電壓	
	AC rms(V)	DC(V)	Min.	Vb(Vdc)	Max.	Vc(V)	Ip(A)
25D~32D	130~1000	170~1465	185~1620	200~1800	225~1980	330~2970	150~200

34S Series 片式防雷壓敏電阻器

Block Type Varistor For Lightning Protection

特性 | Feature

小型緊湊,耐電湧電流量大

能回應暫態電湧的卓越靈敏度

限制電壓低,保護效果可靠

無續流

Very large surge withstanding capability with a compact size

Fast response to steep impulse voltage

Low clamping voltage for better surge protection

No follow-on current

推薦應用領域 | Typical Application

用於工業設備,通信設備用電源

交通或鐵路信號裝系統

用於配線電路遠端自動控制裝置浪湧保護

Power suppliers for OA, FA, telecommunication or industrial equipment

Traffic or railroad systems

Surge protection of automatic control devices for power distribution line



性能指標 Technical Data							
型號尺寸 Model Size			34mm x34mm				
工作/儲存溫度範圍 Operating /Storage Temperature			-40°C ~ +85°C/-40°C ~ +125°C				
耐浪湧電流 Withstanding Surge Current:			30KA~60KA				
認證標志 Approved Monogram			UL				

Series	Maximun Allowable Voltage 可容許之最大電壓		Varistor Voltage 壓敏電壓			Maximun Clamping Voltage 最大抑制電壓	
	AC rms(V)	DC(V)	Min.	Vb(Vdc)	Max.	Vc(V)	Ip(A)
34S	50~750	65~990	74~1350	82~1500	90~1650	135~1980	300

MOV Series 盒式電湧保護器

Case Type Surge Protector Device

特性 | Feature

小型緊湊,耐電湧電流量大,可直接安裝於分電盤上
能回應暫態電湧的卓越靈敏度
保護效果可靠,低限制電壓
Very large surge withstanding capability with a compact size, Direct mounting on boards like a power distribution board available
Fast response to steep impulse voltage
Low clamping voltage for better surge protection



推薦應用領域 | Typical Application

用於電晶體,二極體,積體電路,晶閘管或可控矽半導體保護
用於吸收繼電器,電磁真空管等的電湧
用於廣播,通信設備,交通,鐵路,農業設施,水廠等防止雷電電湧
Transistor, diode, IC, thyristor or triac semiconductor protection
Relay or electromagnetic valve surge absorption
Surge absorption applications in broadcasting, communications devices, traffic/railroad, agricultural facilities, waterworks

性能指標 Technical Data

型號尺寸 Model Size	Disc:Φ25mm, Φ32mm; Square:34mm x34mm						
工作/儲存溫度範圍 Operating /Storage Temperature	-40°C ~ +85°C/-40°C ~ +125°C						
耐浪湧電流 Withstanding Surge Current:	Φ25mm :10000A, Φ32mm:15000A, 34mm x34mm:25000A						
認證標誌 Approved Monogram	UL Φ 25; CUL Φ 32						
Series	Maximun Allowable Voltage 可容許之最大電壓		Varistor Voltage 壓敏電壓			Maximun Clamping Voltage 最大抑制電壓	
	AC rms(V)	DC(V)	Min.	Vb(Vdc)	Max.	Vc(V)	Ip(A)
MOV	130~1000	175~1465	185~1620	220~1800	225~1980	330~2970	150~300

F52 Series 珠狀測溫型負溫度係數熱敏電阻器

Pearl-Shape Temp Measurement NTC Thermistor

特性 | Feature

測試精度高,體積小,反應速度快
能長時間穩定工作
互換性,一致性好
規模化生產,性價比高
High testing precision · small size · fast response
Steady operating for long time
Good quality of coherence and interchange
Scale production, high ratio of Features to cost



推薦應用領域 | Typical Application

空調設備,暖氣設備,電子體溫計,液位元感測器,汽車電子,電子檯曆,手機電池
Air-Conditioner Equipments, Heating Apparatus, Electric Thermometer
Liquid level sensor, Automobile electronic, Electric table-board, Battery of Mobile Telephone

Series	Zero Power Resistance at 25°C 零功率電阻值 25 度	B-value 25/50°C(K)	Operation Temperature Range 工作溫度範圍
	R25(Ω)	Bmin(K)	TL~TU(°C) (°C)
F52	0.1K~1KK	3100~4500	55~125

NTC Series 功率型負溫度係數熱敏電阻器

Power NTC Thermistor

特性 | Feature

體積小,功率大,抑制浪湧電流能力強
反應速度快,壽命長,可靠性高
材料常數(B 值)大,殘餘電阻小
系列全,應用範圍寬
Small size, strong power and strong capability of surge current protection
Fast response to surge current, Longevity of service, High reliability
Big material constant (B value), Small remain resistance
Integral series, extensive operating range



推薦應用領域 | Typical Application

轉換電源,開關電源,UPS 電源
電子節能燈,鎮流器及各類加熱器
各類顯像管,顯示器
白熾燈,其他照明燈具
Conversion power-supply, switch power, ups power
Electronic energy saving lamps, electronic ballast and all kinds of electric heater
All kinds of RT, display
Bulb and other lighting lamps

Series	Zero Power Resistance at 25°C 零功率電阻值 25 度	B-value 25/50°C(K)	Operation Temperature Range 工作溫度範圍
	R25(Ω)	Bmin(K)	TL~TU(°C) (°C)
NTC	0.7~400	D5~D25	55~200

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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