

超高壓陶瓷電容器產品承認書

APPROVAL SPECIFICATIONS FOR ULTRA-HIGH VOLTAGE TYPE CERAMIC CAPACITORS

| 客戶 CUSTOMER | 立創商城 | | |
|----------------------|------------------|------------------|--------------|
| 客戶料號 CUSTOMER P/N | | | |
| 產品編碼 PART NUMBER | CC4A471KE1I | EB47E7100 | |
| 規格描述 DESCRIPTION | 10KV/471/K/F10/直 | 腳/L24/環氧(藍)/ | Y5P/7E/ZNR |
| 日期 DATE | 2021-03-18 | 文件編號 DOC. NO. | DEC-SA-WI002 |

| 批準 APPROVED BY ※CHECK BY KORMULATE BY | 批準 | 審核 |
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| | APPROVED BY | CHECK BY |
| 彭少雄 吴成愛 麥瓊方 | | |

東莞市德爾創電子有限公司 DONGGUAN CITY DERSONIC ELECTRONICS CO., LTD. 廣東省東莞市長安鎮錦廈河南工業區錦平路 5 號 No.5, JINGPING ROAD, JINXIA HENAN INDUSTRIAL ZONE, CHANGAN TOWN DONGGUAN CITY, PRC TEL: 86-769-8155 5686 FAX: 86-0769-8155 5989 WEBSITE: <u>HTTP://WWW.DERSONIC.COM</u> E-MAIL: SALES@DERSONIC.COM

| | ® | | 编号DOC NO.: | DEC-SA-WIOO | |
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| אסססח/ | 超高压陶瓷电容 | 寄广亩炒恰节 I VOLTAGE TYPE CERAMIC CAPACITORS | 日期DATE: | 2020-10-07 | |
| 規格表 DATA SHEE | | | 页码PAGE: | 1/9 | |
| | 标志 MARKING ZNR 471K 10KV | D T T T T T T T T T T T T T T T T T T T | pr: Blue 晉: 環氧樹脂(U pg: Epoxy resin 像: CP線 re: CP 線 re: CP wire 型: 直腳 | (UL94 V-0) | |
| | 產品編碼 PART NUMBER | CC4A471KE1IEB4 | 47E7100 | | |
| | 客戶料號 CUSTOMER P/N | | | | |
| | 產品類別 PRODUCT SUBCLASS | Hi−k type 10kVdc Remark: Rated ac voltage (50/60Hz) ≈ 280% rated dc voltage, e.g.: Rated dc voltage 10 000V ≈ rated ac voltage 3 600V Rated dc voltage 12 000V ≈ rated ac voltage 4 200V Rated dc voltage 15 000V ≈ rated ac voltage 5 400V | | | |
| | 額定電壓 RATED VOLTAGE | | | | |
| | 電容量 CAPACITANCE | 470pF±10% @ 1kHz 1.0V _{RMS} 25.0°C 0.025 max @ 1kHz 1.0V _{RMS} 25.0°C NO FAILURE @ DC15kVdc 60s 50mA 10 000MΩ min @ 1000VDC 60s Y5P (ΔC/C: ±10% @ -25°C~105°C) | | | |
| | 損耗角正切 TANGENT OF LOSS ANGLE | | | | |
| | 耐電壓 TESTING VOLTAGE | | | | |
| | 絕緣電阻 INSULATION RESISTANCE | | | | |
| TE | 溫度特性 MPERATURE CHARACTERISTIC | | | | |
| 0PE | 工作溫度範圍 RATING TEMPERATURE RANGE | –25°C ~+105° | °C | | |
| | D (DIAMETER) | 12.0mm max | | | |
| | T (THICKNESS) | 7.Omm max | | | |
| 尺寸 | F (LEAD SPACING) | 10.0mm±1.0r | nm | | |
| DIMENSIONS | L (LEAD LENGTH) | 24.Omm±4.Or | nm | | |
| | ød (LEAD DIAMETER) | 0.60mm±0.10 | mm | | |
| | | | | | |

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| Dersonic [®] | | 版本REV.: | A/0 |
| 超高压陶瓷电容器产品规构 APPROVOL SPECIFICATIONS FOR ULTRA-HIGH VOLTAGE TYPE | | 日期DATE: | 2020-10-07 |
| | | 页码PAGE: | 2/9 |
| 應用 APPLICATION 本規格書適用於額定電壓超過6.3kVdc電子設備用超程 This specification is applied to ultra-high volta with a rated voltage exceeding DC 6.3kV. | | ors used for el | ectric equip |
| 額定值 RATING .工作溫度 Operating temperature | | | |
| -25°C to +105°C | | | |
| .典型溫度特性曲線(供參考) Typical temperature characteristic curves(for | r reference) | | |
| Y5P (B4) | N4700 | (EM) | |
| 90 10 10 -10 -20 -20 -20 -20 -20 -20 -20 -2 | (%) abuey 20 -20 -20 -40 -20 0 20 | | 0 100 rature (°C) |
| . 典型直流偏置電壓曲線(供參考) Typical DC bias voltage curve (for reference) | | | |
| Y5P (B4) | N4700 | (EM) | |
| C C Bais (KV) | 20 10 -10 -20 -30 -40 0 2 4 6 | | V DC15kV 14 16 DC Bais (kV) |
| . 符合RoHS 2.0標準, 無鹵。 Comply with RoHS 2.0, halogen-free available | | | |

| | | 编号DOC NO.: | DEC-SA-WIOO2 |
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| Dersonic® | | 版本REV.: | A/0 |
| 超高压陶瓷印 | 电容器产品规格书 | 日期DATE: | 2020-10-07 |
| APPROVOL SPECIFICATIONS FOR ULTR | A-HIGH VOLTAGE TYPE CERAMIC CAPACITORS | 页码PAGE: | 3/9 |
| 品號組成 PART NUMBER CONFIGURATIO | N | | |
| CC4A471系列 Serise額定電壓 Rated voltage標稱容量 | | 4 | n Marking |
| ■ 額定電壓 Rated voltage | 3J: 6.3kVdc 4A: 10kVdc 3K: 8kVdc 4B: 12kVdc 4N: 15kVdc 4D: 20kVdc | | |
| ■ 標稱容量 Nominal capacitance | 三位數表示, 單位pF。如: Three-digit representation, in pF. E 471 = 470pF 102 = 1 000pF 103 =10 000pF (0.01µF) | Ēx. | |
| ■ 容量偏差 Capacitance tolerance | K: ±10% M: ±20% | | |
| ■ 引線成型方式 Leads format | 代碼腳型腳距CodeLead styleLead space | ing Lead l | |
| | E1I E1I 直腳 Straight leads | . Omm 24. Omm = | ±4.Omm |
| ■ 包封材質 Coating material | E: 環氧樹脂包封(藍色) Epoxy coating (blue) | | |
| ■ 溫度特性 Temperature characteristic | B4: Y5P EM: N4700 | | |
| ■ 生產識別碼 Production identification code | 本規格書不作說明。 This specification does not explain. | | |
| ■ 標誌 Marking | 100: 印"ZNR"商標 Printing "ZNR" logo | | |

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| | | | □品规格= | | | 日期DATE: | 2020-10- |
| PPROVOL SPECIFIC | ations for l | Jltra-High Vo | LTAGE TYPE CE | RAMIC CAPACI | TORS | 页码PAGE: | 4 / 9 |
| PECIFICATIO | 13 [13] | | D C F | | | | |
| Temperature Cha | 溫度特性 | | Y5P (B4) | | | N4700 (EM) | |
| remperature cha | | | | | | | |
| Ra | 額定電壓 ted voltage | 10kV/12kV (4A/4B) | 15kV (4N) | 20kV (4D) | 10kV/12kV (4A/4B) | 15kV (4N) | 20kV (4D) |
| 標稱容量 Nominal Capacitance | 100pF 150pF 220pF 330pF | 9.0 9.0 10.0 11.0 | 9.0 9.5 10.5 12.0 | 9.5 11.0 12.5 14.0 | 9.0 9.0 10.0 11.0 | 10.0 15.5 13.0 15.0 | |
| | 470pF | 12.0 | 14.0 | 15.0 | 12.0 | 17.0 | |
| | 680pF 1000pF | 13.0 17.0 20.0 | 16.0 18.0 23.0 | 16.5 22.0 | 16.0 21.0 | 20.0 23.0 | D, ma |
| | 1500pF 2200pF | | | | | | |
| | 2200pF | 22.0 | 26.0 | 10.0 | 6.0 | 7.0 | |
| 尺寸 | | | | 10.0 12.5±2.0 | 6.0 10.0±1.0 | 7.0 10.0±1.0 12.5±2.0 | |
| 尺寸 Dimensions (mm) | 2200pF T, max | 22.0 7.0 | 26.0 8.0 10.0±1.0 | | | 10.0±1.0 | |
| Dimensions | 2200pF T, max F | 22.0 7.0 10.0±1.0 24.0±4.0 | $\begin{array}{c} 26.0\\ 8.0\\ 10.0\pm1.0\\ 12.5\pm2.0\\ 24.0\pm4.0 \end{array}$ | 12.5±2.0 24.0±4.0 | 10.0±1.0 24.0±4.0 | 10.0±1.0 12.5±2.0 24.0±4.0 | |

標準相測試力法 SPECIFICATION AND TEST METHODS

試驗與測試必須在標準條件(溫度15~30°C,相對濕度45~75%)下進行。

Test and measurement shall be made at the standard condition (Temperature 15~35°C, relative humidity 45~75%).

除非另有說明,如果對測量結果有疑問和被特別要求的情況下,電容必須在基準條件(溫度25±2°C,相對濕度 60~70%)下進行測試。

Unless otherwise specified herein. If doubt occurred on the value of measurement, and measurement was requested by customer capacitors shall be measured at the reference condition (Temperature $25\pm2^{\circ}$ C, relative humidity 60~70%.)

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| 超高压陶瓷电容器产品规格书 | 日期DATI |
| APPROVOL SPECIFICATIONS FOR ULTRA-HIGH VOLTAGE TYPE CERAMIC CAPACITORS | 而和PAG |

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| 版本REV.: | A/0 |
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| No. | 項目 Iter | | 標準 Specification | 測試方法 Test method | | |
|-----|--|--|--|---|--|--|
| 1 | 小觀和 Appearance & dimensi | 尺寸 e (APP) | 外觀和尺寸沒有明顯的缺陷 No marked defect on appearance form and dimensions. 尺寸請參考 "規格表" Please refer to "DATA SHEET". | 用目視檢查電容器表面明顯的缺陷 The capacitor should be inspected by naked eyes for visible evidence of defect. 尺寸用遊標卡尺測量。 Dimensions should be measured with slide calipers. | | |
| 2 | 標詞 Marki | | 清晰易於識別 To be easily legible. | 目視檢查。 The capacitor should be inspected by naked eyes. | | |
| | 介質 | 引線之間 Between Lead wires (TV) | 無失效 No failure | 在絕緣油或氣體中,兩引線間施加150%額定直流電壓60秒鐘, 電容器不應損壞(充放電流小於50mA)。 The capacitors shall not be damage when DC voltage of 150% of the rated voltage is applied between the lead wires for 60 s in insulate liquid or gas. (Charge/discharge current: 50mA max.) | | |
| 3 | 強度 Dielectric Strength | 本體絕緣 Body insulation | 無失效 No failure | 將電容器放入填充滿直徑爲1mm金屬球的容器中,然後將兩根引 線短路,並且使電容器根部離金屬球2mm,在金屬與兩根引線之 間施加3kV的直流電壓10s(充放電流小於50mA)。 The capacitors is placed in the container with metal balls of diameter 1mm so that each lead wires, Short-circuited, is kept approximately 2mm off the balls, and DC voltage of 3kV is applied for 10 s between capacitor lead wires and small metals. (Charge/discharge current: 50mA max.) | | |
| 4 | 絕緣電阻 Insulation Resistance(IR) | | Y5P: 10,000MΩ min. N4700: 30,000MΩ min. | 在電容器兩引線間施加1 000V的直流電壓,時間60±5。 The insulation resistance shall be measured with DC 1 000V within 60±5 s of charging. | | |
| 5 | 電容量 Capacitance | | 在允許誤差範圍内 Within the specified tolerance. | 電容量、損耗應在25°C的環境下,使用1±0.1kHz、1.0Vrm 條件進行測試。 | | |
| 6 | 損耗因素 Dissipation Factor (DF) | | Y5P: 0.025 max. N4700: 0.004 max. | The capacitance and DF shall be measured at 25°C with 1 ± 0.1 kHz and 1.0V (r.m.s.). | | |
| 7 | 溫度特 Tempera Character | ture | Y5P: ±10% N4700: −4,700±1,000ppm/°C | 電容量應在表中規定的每個步驟進行測量。 The capacitance measurement shall be made at each step specified in table. <u>1 2 3 4 5</u> Temperature(°C) 20 -25 20 105 20 針對第3步驟的容量變化率不能超過指定值。 Capacitance change from the value of step 3 shall not exceed the limit specified. | | |
| | | APP | 無可見損傷 No marked defect. | 充電放電試驗應在下列試驗電路和循環中測量。 Charge discharge test shall be measured in the following test circuit and cycle. | | |
| | 充放 | ∆C/C | ±10% | | | |
| 8 | 電試驗 Charge Discharge | DF | Y5P: 4.0% max. N4700: 1.5% max. | $ \begin{array}{c c} \hline R1 \\ \hline E \\ \hline Cx \\ \hline E \\ \hline C \\ C \\$ | | |
| | Test | IR | Y5P: 2,500MΩ min. N4700: 10,000MΩ min. | 施加電壓: 額定電壓 Applied voltage: rated voltage 循環次數: 10,000次 | | |
| | | TV | 無失效 No failure | Cycle numbers: 10,000 cycles 試驗後處理: 電容器應在室溫下儲存4小時。 Post-treatment: Capacitor shall be stored for 4 h at room condition. | | |
| 9 | 導線抗張強度導線無折斷, 電容無破損。Terminal TensileLead wire should not be cut off.StrengthCapacitor should not be broken. | | | 固定電容器的本體,使電容器每支導線均承受10N垂直力,保持 10±1秒鐘 f. Fix the body of capacitor, apply a tensile weight | | |

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| No. | 項目 Item | | 標準 Specification | 測試方法 Test method | | | |
|-----|---------------------------------|-------|--|---|--|--|--|
| 10 | 道線抗折弧 可erminal Be Strengt | nding | 与PECIFICATION 導線無折斷。 Lead wire should not be cut off. | 電容器導線應承受5N重量,然後嚮外彎折成90°,然後回復至 來位置;接着往反方嚮彎折90°,再復原;彎折一次2-3秒鐘 Each lead wire shall be subjected to 5N weight and t | | | |
| 11 | 可焊性 Solderability | | 導線必須有3/4以上的面積均勻附 着焊錫。 Lead wire shall be soldered with uniformly coated on the axial direction over 3/4 of the circumferential direction. | 將引線應浸入濃度爲25%的乙醇溶液中,然後浸泡在熔融焊料中 2±0.5秒鐘,浸泡深度爲距引線根部約1.5至2.0mm處。 The lead wire shall be dipped into a 25% ethanol solution of rosin and then into molten solder of below temperature for 2±0.5 s. In both cases the depth of dipping is up to about 1.5 to 2.0mm from the root of lead wires. 焊錫溫度 Temp. of solder : 無鉛焊錫(Sn-3Ag-0.5Cu)245±5°C Lead Free Solder (Sn-3Ag-0.5Cu) 245±5°C | | | |
| 12 | 焊錫 耐熱性 | APP | 無可見損傷 No marked defect. | 將引線浸泡在260±5℃的焊料中10±0.5秒鐘,其深度爲距端子 根部1.5至2.0mm處。 The lead wires shall be immersed into the melted solder of 260±5°C up to about 1.5 to 2.0mm from the main body | | | |
| | Soldering effect | ∆C/C | ±10% | for 10.0±0.5 s. 試驗後處理: 電容器應在室溫下儲存1到2小時。 Post-treatment: Capacitor shall be stored for 1 to 2 h at room condition | | | |
| | | APP | 無可見損傷 No marked defect. | 將電容器儲存溫度40±2°C、相對溫度爲90~95%的環境中500±8 | | | |
| 13 | 穩態濕熱 Humidity | ∆C/C | Y5P: ±10% N4700: ±3% | 小時。 Set the capacitor for 500±8 h at 40±2°C in 90 to 95% humidity. | | | |
| 15 | (under steady state) | DF | Y5P: 4.0% max. N4700: 1.5% max. | ittminuty: 試驗後處理: 電容器應在室溫下儲存1到2小時。 Post-treatment: Capacitor shall be stored for 1 to 2 h at | | | |
| | | IR | Y5P: 1,000MΩ min. N4700: 5,000MΩ min. | room condition. | | | |
| | | APP | 無可見損傷 No marked defect. | | | | |
| | 壽命 Life | ∆C/C | Y5P: ±10% N4700: ±3% | 電容器浸入105±2°C的絕緣油中,施加額定電壓1000+48/-0小時。 Apply a DC voltage of rated voltage for 1000+48/-0 h ir | | | |
| 14 | (高溫負荷) (high temperature | DF | Y5P: 4.0% max. N4700: 1.5% max. | insulating oil at 105±2°C. 試驗後處理: 電容器應在室溫下儲存24±2小時。 | | | |
| | load) | IR | Y5P: 2,500MΩ min. N4700: 10,000MΩ min. | Post-treatment: Capacitor shall be stored for 24 ± 2 h at room condition. | | | |
| | | ΤV | 無失效 No failure | | | | |
| | | APP | 無可見損傷 No marked defect. | 溫度循環試驗按以下條件進行試驗和測量 Temperature cycling shall be measured in the following test. | | | |
| | 溫度循環 | ∆C/C | Y5P: ±10% N4700: ±3% | Step Temperature(°C) Time 1 -30 30 min | | | |
| 15 | Temperature Cycling | DF | Y5P: 4.0% max. N4700: 1.5% max. | 1 -30 30 min 2 +105 30 min 循環次數: 5次 | | | |
| | | IR | Y5P: 2,500MΩ min. N4700: 10,000MΩ min. | Cycle numbers: 5 cycles 試驗後處理: 電容器應在室溫下儲存4小時。 | | | |
| | | ΤV | 無失效 No failure | Post-treatment: Capacitor shall be stored for 4h at room condition. | | | |

| | | D) | | | | 编号DOC NO.: | DEC-SA-WI002 |
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| | | 高压陶瓷电 | | | | 日期DATE: | 2020-10-07 |
| | APPROVOL SPECIFICA | IIUNS FUR ULIRA-H | HIGH VULTAGE TYPE | Ceramic Capaciti | URS | 页码PAGE: | 7/9 |
| | 警告 CAUTION 工作電壓 OPERATING VOLTAGE | | | | | | |
| | 在交流電路或紋波電頻 電壓範圍內。若嚮電頻 些異常電壓的電容器。 When DC- rated capa of the applied volt started to apply to period because of re | 各中使用直流額定置 客施加電壓,開始或 ncitors are to be rage or the Vo-p v the circuit or i | ኢ停止時可能會因識 used in AC or ri which contains DC t is stopped appl | 挑成切換產生暫時 pple current cire D bias within the ying, the irregul | 的異常電壓 cuits, be s rated volt lar voltage | 。請務必使用客 sure to mainta tage range. Wh may be genera | 預定電壓範圍包含 ain the Vp-p val men the voltage ated for a trans |
| ١ | /oltag <u>es.</u> 電壓 | 直流電壓 | 直流+交流電壓 | 交流電壓 | | 脈沖電壓 | |
| | Voltage 測量位置 Positional Measurement | DC Voltage | DC+AC Voltage | AC Voltage | | ulse Voltage | |
| 1 2 1 1 3 | sure to take into a 電容器在高頻電流、 所超過20°C範圍。測量 When the capacitor : heat due to dielect the condition of at p0.1mm and be in th surroundings. | 底沖電流等中使用間 量時應使用ØO.1mm/ is used in a high- ric-loss. Applie mosphere temperat | 寺可能會因介電損料 小熱容量(K)的熱 frequency current d voltage should cure 25°C. When me | 發出自生熱。外加 電偶,而且電容器 t,pulse current c be the load such easuring, use a th | 口電壓應使自 不應受到其它 or the like, or self-ge hermocouple | 2元件的散熱或 it may have t enerated heat of small ther | 環境溫度波動影 the self-genera is within 20°C rmal capacity-K |
| j E P | 過熱可能會導致電容 Excessive heat may perform measurement 貯存與使用條件 | lead to deteriora | tion of the capac | itor's character | ristics and | reliability. | (Never attempt |
|) 1 1 - - - 7 7 | OPERATING AND STO 電容器絕緣包封層不 場所,同時應防潮。 The insulating coat a corrosive atmosph And avoid exposure 在對本產品進行清洗、 | 昰完美的密封形式, ing of capacitors ere, especially w to moisture. | 因此,請勿將電容 does not form a here chloride ga | perfect seal; the s, sulfide gas, a | erefore, do cid, alkali | not use or st , salt or the | tore capacitors like are presen |
| | 產品質量。 In case of cleaning by testing the perf 電容器應存放在溫度) Store the capacitor capacitors within 6 壓焊、樹脂塗層與6 | ormance of a cle 及相對濕度分別不起 s where the tempe 5 months after de | aned, bonded or m 置出—10~40°C及15 erature and relat | molded product ir ~85%範圍的場所。 | n the inten 請在6個月内 | ded equipment 內使用電容器。 | • |
| | BONDING, RESIN MC 在壓焊、樹脂塗層和 In case of bonding, capacitor by testir 在粘合、樹脂塗層、 | DLDING AND COAT 討膜之前,請先使用 molding or coat ng the performanc | 目指定設備確認對產 ing this product, e of the bonded, | E品沒有影響, 然後 verify that the molded or coated | se processe d product i | es do not affe n the intende | d equipment. |

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| | Dersonic | | 版本REV.: | A/0 |
| | 超高压陶瓷电容器产品规 | 格书 | 日期DATE: | 2020-10-07 |
| | APPROVOL SPECIFICATIONS FOR ULTRA-HIGH VOLTAGE TYI | PE CERAMIC CAPACITORS | 页码PAGE: | 8/9 |
| E. | 脂,而造成短路不良。 In case of the amount of applications, dryness / har organic solvents (ethyl acetate, methyl ethyl ketom a capacitor is damaged by the organic solvents and 粘合、樹脂塗層、封膜厚度的偏差可能會在冷卻與加熱過The variation in thickness of adhesive, molding rest ceramic element cracking of a capacitor in a tempe 樹脂材料在熱條件下(超過100°C)的強度較弱。因此, Resin material to hot conditions (over 100°C) was stress in this state, please handle it with care. 振動與碰撞 VIBRATION AND IMPACT 使用時請勿使電容器受到過度沖擊或振動。 Do not expose a capacitor or its leads to excession | ne, toluene, etc.) are unsui d it may result, worst case 程中使電容器的包封樹脂和/j in or coating may cause a ou erature cycling. 在這種情況下, 爲了避免機械 weaker to intensity. So suc | table, the oute , in a short c 或陶瓷介質破裂。 iter coating res 應力, 請小心處 ch with board t | er coating resin of ircuit. sin cracking and/or 理。 |
| F. | 焊錫 SOLDERING 當在PCB/PWB焊錫這個產品時,不要超過 温度 電容器的焊錫耐熱性標準。過度的熱量 Temperature (°C) 會使電容器內部焊錫熔化,可能導致熱 沖擊而使陶瓷介質出現暗裂。 When soldering this product to a PCB/PWB, do not exceed the solder heat resistance specification of the capacitor. Subjecting this product to excessive heating could melt the internal junction solder and may result in thermal shocks that can crack the ceramic element. 右圖是推薦的波峰焊曲線,請參考! On the right is the recommended wave-soldering curve, please refer to! 當使用烙鐵進行手工焊錫時,應該遵照下列條件: When soldering capacitor with a soldering iron, it ■ 焊錫溫度: 350°C最大 | 预热 Preheating 温度: 常温到130°C Temperature: Room temp. to 130°C 时间: 120秒以内 Time: 120 sec max | 260°C n | 冷却 Cooling ^{徐徐冷却} Gradual cooling A内、小于10秒 nax, 10 sec max 时间 Time (sec) ions. |
| | 「年動加度: S30 CB入 Temperature of iron-tip: 350 °C max. 烙鐵頭: 不超過40W Soldering iron wattage: 40W max. 焊錫時間: 不超過5.0秒 Soldering time: 5.0s max. 使用本產品時如忽略上述警告事項,則在嚴重情況下可能 | <i>漢</i> 致短路,並引起冒煙或局部 | 破裂。 | |
| | Failure to follow the above cautions may result, w dispersion when the product is used. 注意事項 NOTICE | | | fuming or partial |
| G. | 清洗 CLEANING 要進行超聲波清洗,應遵守下列條件。 To perform ultrasonic cleaning, observe the for ■清洗槽容量:每升輸出功率小於20W。 Rinse bath capacity : Output of 20 watts per ■清洗時間:最多5分鐘。 Rinsing time: 5min maximum ■ 不得直接振動 PCB/PWB。 | - | | |

| Dersonic 版本根比: A0 出自压陶瓷电容器产品规格书 田期DATE 2020-10-07 丸PROVOL SPECIFICATIONS FOR ULTRA-HIGH VOLTAGE TYPE CERAMIC CAPACITORS 田期DATE 2020-10-07 取得PAGE 3/9 Do not vibrate the PCB/PNB directly. 通貨的超聲波濤洗會導致導線的過載損壞。 Excessive ultrasonic cleaning may lead to fatigue destruction of the lead wires. 電容器容量變化 CAPACITANCE CHANGE OF CAPACITOR 1 頻繁電容器 Class 1 capacitors 電台可能會因環境温度或外加電壓而發生輕微變化。若要將本產品用於嚴酷的時間常數電路,請與我公司聯系。 capacitance might change a little depending on a surrounding temperature or an applied voltage. Pleatent to us if you use for the strict time constant circuit. 2 頻微電容器 Class 2 capacitors 2 頻微電容器 2 Gass 2 capacitors 2 頻微電容器 Class 2 capacitors 2 頻微電路 2 Gass 2 capacitors 2 頻微電Page 2 Gass 2 capacitors 2 頻微化的面面面面像电或以外的電路で移生, Change greatly depending on a surrounding temperature or an applied voltage so, it is not likely to be able to use for the time constant circuit. Please contact us if you need a deta information. 請確保我們的產品已安裝到您的產品上前已根據您的規格進行了評估。 Please make sure that your product has been evaluated in view of you | 超高压陶瓷电容器产品规格书 田田和田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田 | | 编号DOC NO.: | DEC-SA-WI002 |
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