

凯美系列：CZ

智宝系列：XV

超低阻抗、长寿命系列

■耐久性：105℃ 3000~5000小时

■推荐应用：适用于影音（电视，视频，音频），监视器/电脑，通信电源、工业、车用、电表

■符合相应RoHS产品



凯美

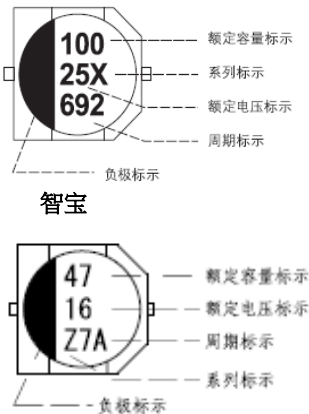


智宝

规格表

| 项目 | 性能 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--|----------------|-------------|----|--------|-------------|----|-----|----------|--|----|---------------|----------------|----|--------|------------------|---|---|---|---|---|---|------------------|---|---|---|---|---|---|
| 工作温度范围 | -55 ~ +105℃ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 额定电压范围 (WV) | 6.3~ 50VDC | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 静电容量范围 | 1 ~ 1000 μF | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 静电容量容许差 | ± 20 % at 120Hz, 20℃ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 漏电流(MAX) (20℃) | $I \leq 0.01CV$ 或 $3(\mu A)$, 中任意一个较大值, (施加额定电压2分钟后测量) I: 漏电流 (μA)、C: 静电容量 (μF)、V: 额定电压 (Vdc) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 损失角正切值 (MAX) (tan δ) (120Hz, 20℃) | 请参照特性一览表 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 温度特性 阻抗比(MAX) | <table border="1"> <thead> <tr> <th>WV</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>Z(120HZ)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Z(-25℃) / Z(20℃)</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40℃) / Z(20℃)</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> </tbody> </table> | WV | 6.3 | 10 | 16 | 25 | 35 | 50 | Z(120HZ) | | | | | | | Z(-25℃) / Z(20℃) | 2 | 2 | 2 | 2 | 2 | 2 | Z(-40℃) / Z(20℃) | 3 | 3 | 3 | 3 | 3 | 3 |
| WV | 6.3 | 10 | 16 | 25 | 35 | 50 | | | | | | | | | | | | | | | | | | | | | | | |
| Z(120HZ) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Z(-25℃) / Z(20℃) | 2 | 2 | 2 | 2 | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Z(-40℃) / Z(20℃) | 3 | 3 | 3 | 3 | 3 | 3 | | | | | | | | | | | | | | | | | | | | | | | |
| 耐久性 | <p>在105℃环境中，连续加载额定电压3000~5000小时后，待温度恢复到20℃进行测量时，各项参数需符合以下要求。</p> <table border="1"> <tbody> <tr> <td>静电容量变化</td> <td colspan="2">在初始值的±30%以内</td> </tr> <tr> <td>损失角正切值</td> <td colspan="2">不超过规格值的200%</td> </tr> <tr> <td>漏电流</td> <td colspan="2">不超过规格值</td> </tr> <tr> <td>DΦ</td> <td>4x5.4~6.3x7.7</td> <td>8x10.2~10x10.2</td> </tr> <tr> <td>寿命</td> <td>3000小时</td> <td>5000小时</td> </tr> </tbody> </table> | 静电容量变化 | 在初始值的±30%以内 | | 损失角正切值 | 不超过规格值的200% | | 漏电流 | 不超过规格值 | | DΦ | 4x5.4~6.3x7.7 | 8x10.2~10x10.2 | 寿命 | 3000小时 | 5000小时 | | | | | | | | | | | | | |
| 静电容量变化 | 在初始值的±30%以内 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 损失角正切值 | 不超过规格值的200% | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 漏电流 | 不超过规格值 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DΦ | 4x5.4~6.3x7.7 | 8x10.2~10x10.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 寿命 | 3000小时 | 5000小时 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 高温无负荷特性 | 在105℃环境中，连续无负荷放置1000小时后，待温度恢复到20℃进行测量，测量前需先进行实验前处理，（处理方法参照JIS C 5101-4 4.1项），电容器应满足和耐久性相同的要求 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

标示:标示例

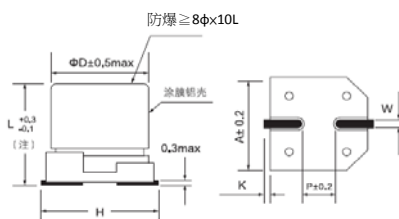


智宝

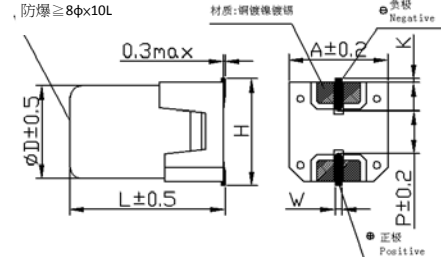
凯美

尺寸图 (mm)

●普通品



●抗震品



(注) Φ8 ~ Φ10 & 6.3x7.7 = L ± 0.3

| 尺寸代码 | ΦD | L | A | H | W | P | K |
|------|------|------|------|----------|----------|-----|----------------|
| B01 | 4.0 | 5.4 | 4.3 | 5.5 Max | 0.65±0.1 | 1.0 | 0.35+0.15/-0.2 |
| C01 | 5.0 | 5.4 | 5.3 | 6.5 Max | 0.65±0.1 | 1.5 | 0.35+0.15/-0.2 |
| E01 | 6.3 | 5.4 | 6.6 | 7.8 Max | 0.65±0.1 | 2.1 | 0.35+0.15/-0.2 |
| E04 | 6.3 | 7.7 | 6.6 | 7.8 Max | 0.65±0.1 | 2.1 | 0.35+0.15/-0.2 |
| G02 | 8.0 | 6.2 | 8.3 | 9.5 Max | 0.65±0.1 | 2.2 | 0.35+0.15/-0.2 |
| G03 | 8.0 | 10.2 | 8.3 | 10.0 Max | 0.90±0.2 | 3.1 | 0.70±0.20 |
| H03 | 10.0 | 10.2 | 10.3 | 12.0 Max | 0.90±0.2 | 4.6 | 0.70±0.20 |

纹波电流频率修正系数

| 频率 (Hz) | 120 | 1K | 10K | 100K |
|---------|------|------|------|------|
| 系数 | 0.70 | 0.80 | 0.90 | 1.00 |

凯美系列：CZ

智寶系列：XV

■标准品规格一览表

| 额定电压 (浪涌电压) (V) | 静电容量 (μ F) | 尺寸 Φ D \times L(mm) | $\tan \delta$ | 纹波电流 (mA/rms,105 °C(100KHz) | 阻抗 (Ω ,20°C) (100KHz) | 额定电压 (浪涌电压) (V) | 静电容量 (μ F) | 尺寸 Φ D \times L(mm) | $\tan \delta$ | 纹波电流 (mA/rms,105 °C(100KHz) | 阻抗 (Ω ,20°C) (100KHz) | |
|-----------------------|--------------------|-------------------------------|---------------|-----------------------------------|-------------------------------------|-----------------------|--------------------|-------------------------------|---------------|-----------------------------------|-------------------------------------|------|
| 6.3 (8) | 22 | 4x5.4 | 0.26 | 90 | 1.93 | 25(32) | 33 | 6.3x5.4 | 0.14 | 240 | 0.52 | |
| | 33 | 4x5.4 | 0.26 | 90 | 1.93 | | 47 | 6.3x5.4 | 0.14 | 240 | 0.52 | |
| | 47 | 5x5.4 | 0.26 | 160 | 1.00 | | 68 | 6.3x7.7 | 0.14 | 280 | 0.34 | |
| | 100 | 6.3x5.4 | 0.26 | 240 | 0.52 | | 100 | 6.3x7.7 | 0.14 | 300 | 0.34 | |
| | 150 | 6.3x7.7 | 0.26 | 240 | 0.30 | | 150 | 8x10.2 | 0.14 | 600 | 0.16 | |
| | 220 | 6.3x5.4 | 0.26 | 240 | 0.52 | | 220 | 8x10.2 | 0.14 | 600 | 0.16 | |
| | | 6.3x7.7 | 0.26 | 240 | 0.30 | | 330 | 10x10.2 | 0.14 | 850 | 0.12 | |
| | 8x10.2 | 0.26 | 600 | 0.26 | 470 | | 10x10.2 | 0.14 | 850 | 0.12 | | |
| | 330 | 8x10.2 | 0.26 | 600 | 0.16 | | 35 (44) | 4.7 | 4x5.4 | 0.12 | 90 | 1.93 |
| | 470 | 8x10.2 | 0.26 | 600 | 0.16 | | | 10 | 5x5.4 | 0.12 | 160 | 1.00 |
| | 680 | 10x10.2 | 0.26 | 850 | 0.12 | | | 15 | 5x5.4 | 0.12 | 160 | 1.00 |
| 1000 | 10x10.2 | 0.26 | 850 | 0.12 | 22 | 5x5.4 | | 0.12 | 160 | 1.00 | | |
| 10 (13) | 22 | 4x5.4 | 0.19 | 90 | 1.93 | 33 | | 6.3x5.4 | 0.12 | 240 | 0.52 | |
| | 33 | 5x5.4 | 0.19 | 160 | 1.00 | 47 | | 6.3x5.4 | 0.12 | 240 | 0.52 | |
| | 47 | 6.3x5.4 | 0.19 | 190 | 0.52 | | | 6.3x7.7 | 0.12 | 280 | 0.34 | |
| | 100 | 6.3x5.4 | 0.19 | 190 | 0.52 | | | 8x6.2 | 0.12 | 300 | 0.34 | |
| | 150 | 6.3x7.7 | 0.19 | 190 | 0.52 | 8x10.2 | | 0.12 | 280 | 0.34 | | |
| | | 6.3x5.4 | 0.19 | 190 | 0.52 | 68 | | 6.3x7.7 | 0.12 | 280 | 0.34 | |
| | 220 | 6.3x7.7 | 0.19 | 240 | 0.34 | 100 | | 6.3x7.7 | 0.12 | 230 | 0.40 | |
| | | 6.3x7.7 | 0.19 | 240 | 0.34 | | 8x10.2 | 0.12 | 600 | 0.16 | | |
| | 330 | 8x6.2 | 0.19 | 240 | 0.34 | 150 | 10x10.2 | 0.12 | 670 | 0.16 | | |
| | | 8x10.2 | 0.19 | 600 | 0.16 | | 8x10.2 | 0.12 | 600 | 0.16 | | |
| | 470 | 8x10.2 | 0.19 | 600 | 0.16 | 220 | 10x10.2 | 0.12 | 850 | 0.12 | | |
| 10x10.2 | | 0.19 | 850 | 0.12 | 8x10.2 | | 0.12 | 600 | 0.16 | | | |
| 680 | 10x10.2 | 0.19 | 850 | 0.12 | 330 | 10x10.2 | 0.12 | 850 | 0.12 | | | |
| 1000 | 10x10.2 | 0.19 | 850 | 0.12 | | 1.0 | 4x5.4 | 0.12 | 60 | 5.00 | | |
| 16 (20) | 10 | 4x5.4 | 0.16 | 90 | 1.93 | 2.2 | 4x5.4 | 0.12 | 60 | 5.00 | | |
| | 22 | 5x5.4 | 0.16 | 160 | 1.00 | 3.3 | 4x5.4 | 0.12 | 60 | 5.00 | | |
| | 33 | 6.3x5.4 | 0.16 | 240 | 0.52 | 4.7 | 5x5.4 | 0.12 | 95 | 4.00 | | |
| | 47 | 5x5.4 | 0.16 | 160 | 1.00 | 10 | 6.3x5.4 | 0.12 | 140 | 2.00 | | |
| | | 6.3x5.4 | 0.16 | 240 | 0.52 | 22 | 6.3x5.4 | 0.12 | 70 | 2.00 | | |
| | 6.3x5.4 | 0.16 | 240 | 0.52 | 6.3x7.7 | | 0.12 | 230 | 1.30 | | | |
| | 100 | 6.3x7.7 | 0.16 | 280 | 0.34 | 33 | 8x10.2 | 0.12 | 350 | 0.34 | | |
| | | 8x10.2 | 0.16 | 300 | 0.29 | | 47 | 6.3x7.7 | 0.12 | 230 | 1.30 | |
| | 150 | 6.3x7.7 | 0.16 | 280 | 0.34 | 68 | | 8x10.2 | 0.12 | 350 | 0.34 | |
| | | 8x10.2 | 0.16 | 370 | 0.22 | | 10x10.2 | 0.12 | 670 | 0.18 | | |
| | 220 | 8x10.2 | 0.16 | 370 | 0.22 | 100 | 8x10.2 | 0.12 | 350 | 0.34 | | |
| | 330 | 8x10.2 | 0.16 | 600 | 0.16 | | 10x10.2 | 0.12 | 670 | 0.18 | | |
| | 470 | 8x10.2 | 0.16 | 600 | 0.16 | 150 | 8x10.2 | 0.12 | 350 | 0.34 | | |
| | | 10x10.2 | 0.16 | 850 | 0.12 | | 10x10.2 | 0.12 | 670 | 0.18 | | |
| | 680 | 10x10.2 | 0.16 | 850 | 0.12 | 220 | 10x10.2 | 0.12 | 670 | 0.18 | | |
| | 25(32) | 10 | 4x5.4 | 0.14 | 90 | 1.93 | | | | | | |
| 22 | | 5x5.4 | 0.14 | 160 | 1.00 | | | | | | | |