



鋁 電 解 電 容 器
ALUMINIUM ELECTROLYTIC CAPACITORS

承 認 書

SPECIFICATION FOR APPROVAL

| | |
|----------------|-----------------------------|
| 客 戶 | |
| CUSTOMER: | 立创商城 |
| 料 號 | |
| P/N: | |
| 型 號 | |
| SERIES: | PHR SERIES |
| 規 格 | |
| SPECIFICATION: | 4.7 μ F50V/ Φ 5*11 |
| 日 期 | |
| DATE: | 2021年06月24日 |

| 客 戶 承 認 欄 APPROVAL COLUMN | | | |
|------------------------------|--|--|--|
| | | | |

| 承 制 SUPPLIER | | |
|--|-----|-----|
|  | 黃永福 | 唐晓军 |

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承认内容
FOR APPROVAL

客 户

CUSTOMER: 立创商城

| | | | | | | | | | | | | | | | | | | | |
|---|--|---|--|---|--|--|----------------------------------|------|-----|------|---|---|----|---|-----|---|-----|---|-----|
| 料号 P/N: CV4R7MG511BP | | 系列 Electrolytic Capacitors Series PHR | | | | 规格 Specif. 4.7 μ F50V/ ϕ 5*11 | | | | | | | | | | | | | |
| 电性能 Electric characteristics | | | | | | | | | | | | | | | | | | | |
| 工作电压 W. V. (V-DC) | 标称容量 Nom. Cap. (μ F) | 容量允差 Cap. Tol. (%) At 100/120Hz/25 $^{\circ}$ C | 外形尺寸 Case Size D \times L(mm) | 漏电流 L. C. (μ A) 2minutes/25 $^{\circ}$ C | 损失角 D. F. At 100/120Hz/25 $^{\circ}$ C | | | | | | | | | | | | | | |
| 50 | 4.7 | \pm 20% | 5*11 | 3 | 0.08 | | | | | | | | | | | | | | |
| ESR 值 E. S. R. (Ω) At 100kHz/25 $^{\circ}$ C | 浪涌电压 S. V. (V-DC) | 使用温度 Oper. Temp. ($^{\circ}$ C) | 纹波电流 Rip. Cur(mA) At 100kHz/105 $^{\circ}$ C | 高温负荷 Load Life (HRS/105 $^{\circ}$ C) | 高温贮存 Shelf Life (HRS/105 $^{\circ}$ C) | | | | | | | | | | | | | | |
| 2.5 | 63 | -40~+105 | 58 | 5000 | 500 | | | | | | | | | | | | | | |
| 高温负荷特性 Load Life | 在 105 $^{\circ}$ C 环境中对电容器施加额定工作电压连续 5000 小时, 经恢复后于常温 25 $^{\circ}$ C 测试, 其性能符合下表要求 After applying rated working voltage for 5000 hours at 105 $^{\circ}$ C and then being stabilized at +25 $^{\circ}$ C, capacitors shall meet following limits | | | | | | | | | | | | | | | | | | |
| | 静电容量变化率 Capacitance change | 初测值的 \pm 20% 以内 Within \pm 20% of the initial measured value | | | | | | | | | | | | | | | | | |
| | 损失角正切值 Dissipation Factor | 不大于规定值的 200% Less than 200% of the specified value | | | | | | | | | | | | | | | | | |
| | 漏电流 Leakage Current | 不大于规定值 Within specified value | | | | | | | | | | | | | | | | | |
| 高温贮存特性 Shelf Life | 在 105 $^{\circ}$ C 环境中(不加电压)放置 500 小时, 经恢复后于常温 25 $^{\circ}$ C 测试, 其性能符合下表要求 After storage for 500 hours at 105 $^{\circ}$ C With no voltage applied and then being stabilized at +25 $^{\circ}$ C, capacitors shall meet following limits | | | | | | | | | | | | | | | | | | |
| | 静电容量变化率 Capacitance change | 初测值的 \pm 20% 以内 Within \pm 20% of the initial measured value | | | | | | | | | | | | | | | | | |
| | 损失角正切值 Dissipation Factor | 不大于规定值的 200% Less than 200% of the specified value | | | | | | | | | | | | | | | | | |
| | 漏电流 Leakage Current | 不大于规定值的 200% Less than 200% of the specified value | | | | | | | | | | | | | | | | | |
| 纹波电流修正系数 coefficient | 频率系数 Frequency coefficien | | | | | 温度系数 Temperature coefficien | | | | | | | | | | | | | |
| | Freq(Hz) Cap.(μ F) | 50 (60) | 100 (120) | 1K | 10K | 100K | 温度($^{\circ}$ C) Temperature | +105 | +85 | +65 | | | | | | | | | |
| | 4.7~330 | 0.35 | 0.50 | 0.75 | 0.85 | 1.0 | 系数 Factor | 1.0 | 1.6 | 1.85 | | | | | | | | | |
| | 470~1500 | 0.45 | 0.65 | 0.85 | 0.90 | 1.0 | | | | | | | | | | | | | |
| | 2200~10000 | 0.55 | 0.75 | 0.90 | 0.95 | 1.0 | | | | | | | | | | | | | |
| 尺寸 Diagram: (Unit:mm) | | | | | | | | | | | | | | | | | | | |
| | | | | | | <table border="1"> <tr><td>D</td><td>5</td></tr> <tr><td>L</td><td>11</td></tr> <tr><td>F</td><td>2.0</td></tr> <tr><td>d</td><td>0.5</td></tr> <tr><td>a</td><td>1.5</td></tr> </table> | | | | D | 5 | L | 11 | F | 2.0 | d | 0.5 | a | 1.5 |
| D | 5 | | | | | | | | | | | | | | | | | | |
| L | 11 | | | | | | | | | | | | | | | | | | |
| F | 2.0 | | | | | | | | | | | | | | | | | | |
| d | 0.5 | | | | | | | | | | | | | | | | | | |
| a | 1.5 | | | | | | | | | | | | | | | | | | |
| 作成 Designer | 罗家玲 | | 审核 Auditor | | 唐晓军 | | 核准 Approved | | 黄永福 | | | | | | | | | | |
| 客户承认 CUSTOMER SIGNATURE | | | | | | | | | | | | | | | | | | | |