

|                |                                                           |           |
|----------------|-----------------------------------------------------------|-----------|
| <b>HER MEI</b> | <b>鋁質電解電容器</b><br><b>ALUMINUM ELECTROLYTIC CAPACITORS</b> | <b>SH</b> |
|----------------|-----------------------------------------------------------|-----------|

|           |              |
|-----------|--------------|
| <b>SH</b> | 系列<br>SERIES |
|-----------|--------------|

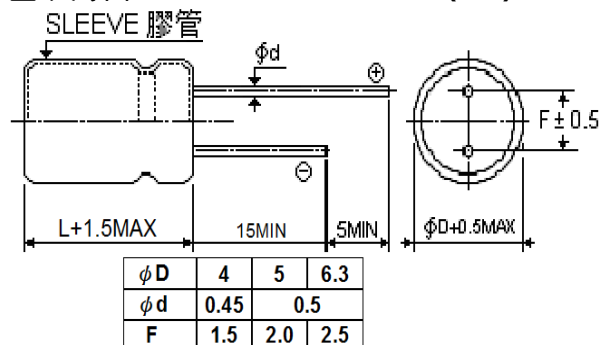
105℃ 小型品(L=7)
105℃ MINIATURE SIZE STANDARD

壽命：105℃ 2000 小時
Load Life :105℃ 2000 hours

■ 規格表 SPECIFICATIONS

| 項目 Items                                                              | 特性 Characteristics                                                                                                                                                         |            |      |      |                                           |      |      |      |          |
|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|------|-------------------------------------------|------|------|------|----------|
| 使用溫度範圍<br>Category Temperature Range                                  | -40~+105℃                                                                                                                                                                  |            |      |      |                                           |      |      |      |          |
| 額定電壓範圍<br>Rated Voltage Range                                         | 6.3~63V.DC                                                                                                                                                                 |            |      |      |                                           |      |      |      |          |
| 靜電容量容許差<br>Capacitance Tolerance                                      | ±20%(M)(25℃，120Hz)                                                                                                                                                         |            |      |      |                                           |      |      |      |          |
| 洩漏電流<br>Leakage Current (MAX)                                         | I≤0.01CV 或 3 μA (值小於 3 μA 時使用) I≤0.01CV or 3 μA whichever is greater<br>(施加額定電壓 2 分鐘後) (After 2 minutes application of rated voltage)                                      |            |      |      |                                           |      |      |      |          |
|                                                                       | I：洩漏電流 Leakage Current(μA) C：額定靜電容量 Rated Capacitance(μF) V：額定電壓 Rated Voltage(V)                                                                                          |            |      |      |                                           |      |      |      |          |
| 散逸因素(tan δ)<br>Dissipation Factor (MAX)                               | 額定電壓(V)<br>Rated Voltage                                                                                                                                                   | 6.3        | 10   | 16   | 25                                        | 35   | 50   | 63   | 25℃120Hz |
|                                                                       | tan δ                                                                                                                                                                      | 0.24       | 0.20 | 0.17 | 0.15                                      | 0.12 | 0.12 | 0.10 |          |
| 高溫負荷<br>Load Life                                                     | 105℃恆溫施加額定電壓(含紋波電流)2000 小時後，必須滿足下列的值。<br>After applying rated voltage with rated ripple current for 2000hrs at 105℃, the capacitors shall meet the following requirements. |            |      |      |                                           |      |      |      |          |
|                                                                       | 靜電容量變化率<br>Capacitance Change                                                                                                                                              | 初期值±25%以內  |      |      | Within ±25% of the initial value          |      |      |      |          |
|                                                                       | 散逸因素(tan δ)<br>Dissipation Factor                                                                                                                                          | 規格值 200%以下 |      |      | Not more than 200% of the specified value |      |      |      |          |
|                                                                       | 洩漏電流<br>Leakage Current                                                                                                                                                    | 規格值以下      |      |      | Not more than the specified value         |      |      |      |          |
|                                                                       |                                                                                                                                                                            |            |      |      |                                           |      |      |      |          |
| 高溫放置<br>Shelf Life                                                    | 105℃恆溫不施加額定電壓 500 小時後，必須滿足下列的值。<br>After applying no rated voltage for 500hrs at 105℃.The capacitors shall meet the following requirements.                                |            |      |      |                                           |      |      |      |          |
|                                                                       | 靜電容量變化率<br>Capacitance Change                                                                                                                                              | 初期值±20%以內  |      |      | Within ±20% of the initial value          |      |      |      |          |
|                                                                       | 散逸因素(tan δ)<br>Dissipation Factor                                                                                                                                          | 規格值 200%以下 |      |      | Not more than 200% of the specified value |      |      |      |          |
|                                                                       | 洩漏電流<br>Leakage Current                                                                                                                                                    | 規格值 200%以下 |      |      | Not more than 200% of the specified value |      |      |      |          |
|                                                                       |                                                                                                                                                                            |            |      |      |                                           |      |      |      |          |
| 突波電壓(V)<br>Surge Voltage                                              | 額定電壓(V)<br>Rated Voltage                                                                                                                                                   | 6.3        | 10   | 16   | 25                                        | 35   | 50   | 63   |          |
|                                                                       | 突波電壓(V)<br>Surge Voltage                                                                                                                                                   | 8          | 13   | 20   | 32                                        | 44   | 63   | 79   |          |
| 低溫特性<br>Low Temperature Stability<br>(合成阻抗比)<br>Impedance Ratio (MAX) | 額定電壓(V)<br>Rated Voltage                                                                                                                                                   | 6.3        | 10   | 16   | 25                                        | 35   | 50   | 63   | 120Hz    |
|                                                                       | Z(-25℃) / Z(25℃)                                                                                                                                                           | 4          | 3    | 2    | 2                                         | 2    | 2    | 2    |          |
|                                                                       | Z(-40℃) / Z(25℃)                                                                                                                                                           | 10         | 8    | 6    | 4                                         | 3    | 3    | 3    |          |

■ 尺寸圖 DIMENSIONS



■ 紋波電流補償係數 MULTIPLIER FOR RIPPLE CURRENT

(1)頻率係數 Frequency coefficient

| 頻率(Hz)<br>Frequency |            | 60(50) | 120  | 1k   | ≥10k |
|---------------------|------------|--------|------|------|------|
| 係數<br>Coefficient   | 0.47~82 μF | 0.75   | 1.00 | 1.30 | 1.50 |
|                     | 100~270 μF | 0.75   | 1.00 | 1.15 | 1.20 |

HER MEI

鋁質電解電容器  
 ALUMINUM ELECTROLYTIC CAPACITORS

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■ 尺寸一覽表，額定紋波電流一覽表
 STANDARD SIZE, RATED RIPPLE CURRENT

Size     $\varnothing$  D×L(mm), Ripple Current (mA r.m.s./105°C,120 Hz)

| <div>額定電壓<br/>VV(V.DC)</div> <div>額定<br/>靜電容量<br/>Cap(μ F)</div> | 6.3<br>(0J) |        | 10<br>(1A) |        | 16<br>(1C) |        | 25<br>(1E) |        | 35<br>(1V) |        | 50<br>(1H) |        | 63<br>(1J) |        |
|------------------------------------------------------------------|-------------|--------|------------|--------|------------|--------|------------|--------|------------|--------|------------|--------|------------|--------|
|                                                                  | Size        | Ripple | Size       | Ripple | Size       | Ripple | Size       | Ripple | Size       | Ripple | Size       | Ripple | Size       | Ripple |
| 0.47                                                             |             |        |            |        |            |        |            |        |            |        | 4×7        | 7      | 4×7        | 7      |
| 1                                                                |             |        |            |        | 4×7        | 26     | 4×7        | 28     | 4×7        | 28     | 4×7        | 11     | 4×7        | 11     |
| 2.2                                                              |             |        |            |        | 4×7        | 26     | 4×7        | 28     | 4×7        | 28     | 4×7        | 16     | 4×7        | 16     |
| 3.3                                                              |             |        |            |        | 4×7        | 26     | 4×7        | 28     | 4×7        | 28     | 4×7        | 20     | 5×7        | 22     |
| 4.7                                                              |             |        |            |        | 4×7        | 26     | 4×7        | 28     | 4×7        | 28     | 4×7        | 27     | 5×7        | 22     |
| 10                                                               |             |        |            |        | 4×7        | 26     | 4×7        | 28     | 4×7        | 28     | 5×7        | 34     | 6.3×7      | 31     |
| 15                                                               |             |        |            |        | 4×7        | 26     | 4×7        | 28     | 4×7        | 28     | 5×7        | 34     | 6.3×7      | 31     |
| 22                                                               | 4×7         | 33     | 4×7        | 36     | 4×7        | 39     | 5×7        | 47     | 5×7        | 36     | 6.3×7      | 45     | 6.3×7      | 31     |
| 33                                                               | 4×7         | 40     | 4×7        | 44     | 5×7        | 55     | 5×7        | 47     | 6.3×7      | 60     | 6.3×7      | 45     |            |        |
| 47                                                               | 5×7         | 55     | 5×7        | 60     | 5×7        | 55     | 6.3×7      | 65     | 6.3×7      | 60     |            |        |            |        |
| 82                                                               | 5×7         | 55     | 5×7        | 60     | 6.3×7      | 75     | 6.3×7      | 65     |            |        |            |        |            |        |
| 100                                                              | 5×7         | 55     | 6.3×7      | 100    | 6.3×7      | 110    | 6.3×7      | 65     |            |        |            |        |            |        |
| 120                                                              | 6.3×7       | 90     | 6.3×7      | 100    | 6.3×7      | 110    |            |        |            |        |            |        |            |        |
| 220                                                              | 6.3×7       | 90     | 6.3×7      | 100    | 6.3×7      | 110    |            |        |            |        |            |        |            |        |
| 270                                                              | 6.3×7       | 90     |            |        |            |        |            |        |            |        |            |        |            |        |

