

## RX

### RX Series Aluminum Electro



#### Feature

- \* : 105°C 2000  
Load life:105°C 2000 hours.
- \*  
Wide operating temperature rang
- \* RoHS  
Compliant to the RoHS Directive



#### Application

- \*  
Ideally suited for switching pow



#### Part Number

8
2
2
0
L
F

②                      ③

| Code | Voltage |
|------|---------|
| LO   | 4       |
| LA   | 6.3     |
| LB   | 10      |
| LC   | 16      |
| LD   | 25      |
| LE   | 35      |
| LF   | 50      |
| LG   | 63      |

◆  
Product Structure

|           |       |       |        |          |                |                |             |      |
|-----------|-------|-------|--------|----------|----------------|----------------|-------------|------|
| (mm)      | ±0.5  |       |        | ±1.0     |                |                |             |      |
| D(mm)     | 5     | 6.3   | 8      | 10       | 12.5           | 16             | 18          | 22   |
| F±0.5(mm) | 2.    | 2.5   | 3.5    | 5.0      |                | 7.5            |             | 10.0 |
| d±0.1(mm) | 0.5   |       | 0.6    |          |                | 0.8            |             |      |
| L(mm)     | 11,12 | 12,16 | 12,16, | 16,20,25 | 16,20,25,30,35 | 20,25,30,35,40 | 25,30,35,40 |      |
|           | L±2.0 |       |        |          |                |                |             |      |

◆  
Main specifications

| Item                | Performance Characteristics |             |
|---------------------|-----------------------------|-------------|
| Rated Voltage Range | 6.3~100V.DC                 | 160~450V.DC |

| Temperature Stability | <table border="1"> <tr> <td colspan="2">额定工作电压(V)<br/>Rated working voltage</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> <td>160~250</td> <td>350~450</td> </tr> <tr> <td>阻抗比(120Hz)</td> <td>z-25℃/z+25℃</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>3</td> <td>6</td> </tr> <tr> <td>Impedance Ratio</td> <td>z-40℃/z+25℃</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>--</td> <td>--</td> </tr> </table>  |             |     |    |    |    |    |    |    |     |         | 额定工作电压(V)<br>Rated working voltage |                  | 6.3 | 10   | 16   | 25   | 35 | 50 | 63 | 100 | 160~250 | 350~450 | 阻抗比(120Hz) | z-25℃/z+25℃ | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 6 | Impedance Ratio | z-40℃/z+25℃ | 8 | 6 | 4 | 4 | 3 | 3 | 3 | 3 | -- | -- |
|-----------------------|---|-------------|-----|----|----|----|----|----|----|-----|---------|------------------------------------|------------------|-----|------|------|------|----|----|----|-----|---------|---------|------------|-------------|---|---|---|---|---|---|---|---|---|---|-----------------|-------------|---|---|---|---|---|---|---|---|----|----|
|                       | 额定工作电压(V)<br>Rated working voltage  |             | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 100 | 160~250 | 350~450                            |                  |     |      |      |      |    |    |    |     |         |         |            |             |   |   |   |   |   |   |   |   |   |   |                 |             |   |   |   |   |   |   |   |   |    |    |
|                       | 阻抗比(120Hz)  | z-25℃/z+25℃ | 4   | 3  | 2  | 2  | 2  | 2  | 2  | 2   | 3       | 6                                  |                  |     |      |      |      |    |    |    |     |         |         |            |             |   |   |   |   |   |   |   |   |   |   |                 |             |   |   |   |   |   |   |   |   |    |    |
| Impedance Ratio       | z-40℃/z+25℃   | 8           | 6   | 4  | 4  | 3  | 3  | 3  | 3  | --  | --      |                                    |                  |     |      |      |      |    |    |    |     |         |         |            |             |   |   |   |   |   |   |   |   |   |   |                 |             |   |   |   |   |   |   |   |   |    |    |
| Load life             | <p>+105℃ 2000 ,</p> <p>After application of rated working voltage with max permissible ripple current specified at +105℃ for 2000 hours, capacitors meet the characteristics requirements measured at +20℃ listed at below:</p> <p>1                   :±20%<br/>Capacitance change : ±20% initial measured value</p> <p>2                   :<br/>Leakage current: initial specified value</p> <p>3                   200%<br/>Dissipation factor: 200% initial specified value</p> <table border="1"> <thead> <tr> <th>Case Dia</th> <th>hrs<br/>Life Time</th> </tr> </thead> <tbody> <tr> <td>D 8</td> <td>1000</td> </tr> <tr> <td>D 10</td> <td>2000</td> </tr> </tbody> </table> |             |     |    |    |    |    |    |    |     |         | Case Dia                           | hrs<br>Life Time | D 8 | 1000 | D 10 | 2000 |    |    |    |     |         |         |            |             |   |   |   |   |   |   |   |   |   |   |                 |             |   |   |   |   |   |   |   |   |    |    |
| Case Dia              | hrs<br>Life Time  |             |     |    |    |    |    |    |    |     |         |                                    |                  |     |      |      |      |    |    |    |     |         |         |            |             |   |   |   |   |   |   |   |   |   |   |                 |             |   |   |   |   |   |   |   |   |    |    |
| D 8                   | 1000  |             |     |    |    |    |    |    |    |     |         |                                    |                  |     |      |      |      |    |    |    |     |         |         |            |             |   |   |   |   |   |   |   |   |   |   |                 |             |   |   |   |   |   |   |   |   |    |    |
| D 10                  | 2000  |             |     |    |    |    |    |    |    |     |         |                                    |                  |     |      |      |      |    |    |    |     |         |         |            |             |   |   |   |   |   |   |   |   |   |   |                 |             |   |   |   |   |   |   |   |   |    |    |
| Shelf life            | <p>+105℃ 1000 , JIS-C-5101-4 30min,,<br/>24 48 :</p> <p>After leaving capacitors under no load at +105℃for 1000 hours, According to JIS-C-5101-4, apply the rated DC voltage for 30 minutes and store the capacitors under room temperature for 24-48 hours. The capacitors meet the characteristics listed as below:</p> <p>1                   :±20%<br/>Capacitance change : ±20% initial measured value</p> <p>2                   :<br/>Leakage current: initial specified value</p> <p>3                   200%<br/>Dissipation factor: 200% initial specified value</p>  |             |     |    |    |    |    |    |    |     |         |                                    |                  |     |      |      |      |    |    |    |     |         |         |            |             |   |   |   |   |   |   |   |   |   |   |                 |             |   |   |   |   |   |   |   |   |    |    |


**Dimensions and ripple current and frequency coefficient**
**Ripple current frequency coefficient**

| Freq Hz<br>C.V(μF.V) | 50<br>(60) | 100<br>(120) | 1K   | 10K  |
|----------------------|------------|--------------|------|------|
| 0.1~1.5              | 0.50       | 1.00         | 1.30 | 1.50 |
| 2.2~6.8              | 0.65       | 1.00         | 1.30 | 1.50 |
| 10~68                | 0.80       | 1.00         | 1.30 | 1.50 |
| 100~1500             | 0.80       | 1.00         | 1.15 | 1.20 |
| 2200~3300            | 0.80       | 1.00         | 1.10 | 1.15 |

## M ELECTROLYTIC CAPACITOR

| 35 |      | 50   |      | 63   |        | 100  |     |
|----|------|------|------|------|--------|------|-----|
|    | (2)  | (1)  | (2)  | (1)  | (2)    | (1)  | (2) |
|    |      | 5×11 | 10   | 5×11 | 10     | 5×11 | 11  |
|    |      | 5×11 | 13   | 5×11 | 17     | 5×11 | 15  |
|    |      | 5×11 | 16   | 5×11 | 17     | 5×11 | 17  |
|    |      | 5×11 | 20   | 5×11 | 27     | 5×11 | 21  |
|    |      | 5×11 | 25   | 5×11 | 28     | 5×11 | 29  |
|    |      | 5×11 | 32   | 5×11 | 32     | 5×11 | 32  |
|    |      | 5×11 | 38   | 5×11 | 40     | 5×11 | 46  |
| 38 | 5×11 | 47   | 5×11 | 48   | 6.3×12 | 54   |     |
| 38 | 5×11 | 52   | 5×11 |      |        |      |     |



\*

Bulk packaging quantity

| D(mm)<br>Diameter | L(mm)<br>Length | Quantity<br>/ pcs/bag | / bag/box | / Inner box/outer box | ( / )<br>psc/box |
|-------------------|-----------------|-----------------------|-----------|-----------------------|------------------|
| 4                 | 7-8             | 1000                  | 15        | 4                     | 60000            |
| 5                 | 5-7             | 1000                  | 12        | 4                     | 48000            |
| 5                 | 11              | 1000                  | 10        | 4                     | 40000            |
| 6.3               | 5-7             | 1000                  | 10        | 4                     | 40000            |
| 6.3               | 8-15            | 1000                  | 8         | 4                     | 32000            |
| 6.3               | 15-20           | 1000                  | 6         | 4                     | 24000            |
| 8                 | 5-12            | 500                   | 8         | 4                     | 16000            |