

ARX

ARX Series Aluminum Electrolytic Capacitors



Feature

- * Operating temperature range: 105°C 2000 hours
- * Load life: 105°C 2000 hours
- * Wide operating temperature range
- * Compliant to the AEC-Q200 Directive
- * Compliant to the RoHS Directive

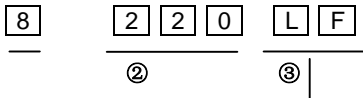


Application

- * Ideally suited for automobile motor



Part Number



| Code | Type |
|------|---------|
| 8 | Product |

| Code | Voltage |
|------|---------|
| LO | 4 |
| LA | 6.3 |
| LB | 10 |
| LC | 16 |
| LD | 25 |
| LE | 35 |
| LF | 50 |
| LG | 63 |
| MA | 100 |
| MC | 200 |
| VA | 400 |

Code

◆ 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 |
|------|-----------------------------|
|------|-----------------------------|

RatedV

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| | |
|-----------------------|---|
| Temperature Stability | |
| 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% Capacitance change : ±20% initial measured value</p> <p>2 :</p> <p>Leakage current: initial specified value</p> <p>3 200% Dissipation factor: 200% initial specified value</p> |
| Shelf life | <p>+105℃ 1000 , JIS-C-5101-4 30min,, 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% Capacitance change : ±20% initial measured value</p> <p>2 :</p> <p>Leakage current: initial specified value</p> <p>3 200% Dissipation factor: 200% initial specified value</p> |


Dimensions and ripple current and frequency coefficient
Ripple current frequency coefficient

| Freq Hz C.V(μF.V) | 50 (60) | 100 (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 |

| WV/V Cap/ μ F | 160 | | 200 | | 250 | | 350 | | 400 | | 450 | |
|----------------------|--------|-----|--------|-----|--------|-----|--------|-----|---------------|----------|-------|-----|
| | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) | (1) | (2) |
| 1 | 6.3×12 | 9 | 6.3×12 | 10 | 6.3×12 | 13 | 6.3×12 | 14 | 8×12 | 15 | 8×12 | 15 |
| 1.5 | 6.3×12 | 11 | 6.3×12 | 15 | 6.3×12 | 17 | 6.3×12 | 19 | 8×12 | 23 | 8×12 | 20 |
| 2.2 | 6.3×12 | 18 | 6.3×12 | 17 | 6.3×12 | 23 | 8×12 | 25 | 8×12 10×12 | 29 37 | 10×12 | 25 |

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Bulk packaging quantity

| D(mm) Diameter | L(mm) Length | Quantity / pcs/bag | / bag/box | / Inner box/outer box | (/) 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 |
| 8 | 14-16 | 500 | 8 | 4 | 16000 |
| 8 | 20 | 500 | 6 | 4 | 12000 |
| 10 | 9-13 | 500 | 6 | 4 | 12000 |
| 10 | 14-16 | 250 | 8 | 4 | 8000 |
| 10 | 17-20 | 250 | 8 | 4 | 8000 |