

ARX

ARX Series Aluminum Electrolytic Capacitors



Feature

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

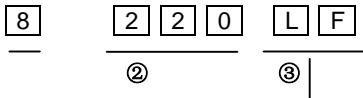


Application

- * **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
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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 : 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 : 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