



LOW VOLTAGE TYPE

Features

5°C! 1000 hours assured

85°C! 1000 小時壽命保證

For general purpose application

一般標準品應用

CHARACTERISTICS

ITEMS	CHARACTERISTIC																																																		
Operating Temperature Range 工作溫度範圍	-40°C ~ +85°C																																																		
Capacitance Tolerance 容量公差	±10%、±20% (at 20°C 120Hz)																																																		
Leakage Current 漏電流	I = 0.02CV or 3 (μA) Whichever is greater 選其最大值 (after 2 minutes applying the rated DC working voltage at 20°C) (在 20°C 施加直流額定電壓 2 分鐘以後) where: C = rated capacitance in μF. (容量值。單位：微法拉) V = rated DC working voltage in V. (額定工作電壓。單位：伏特)																																																		
Dissipation Factor (Tan δ) (At 20°C, 120 Hz) 損耗角	<table border="1"> <thead> <tr> <th>Rated voltage (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> </tr> </thead> <tbody> <tr> <td>Tan δ</td> <td>0.23</td> <td>0.20</td> <td>0.17</td> <td>0.15</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td>0.08</td> </tr> </tbody> </table> <p>For capacitors whose capacitance exceeds 1,000 μF, the specification of tan δ is increased by 0.02 for every addition of 1,000 μF. 當電容量超過 1000 μF，容量每增加 1000 μF，損耗角正切值就增加 0.02</p>	Rated voltage (V)	6.3	10	16	25	35	50	63	100	Tan δ	0.23	0.20	0.17	0.15	0.12	0.10	0.09	0.08																																
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Low Temperature Characteristics 低溫特性	<p>Impedance ratio at 120Hz. 阻抗測試頻率為 120Hz</p> <table border="1"> <thead> <tr> <th colspan="2">Rated voltage (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> </tr> </thead> <tbody> <tr> <td>Z (-25°C)</td> <td>φ D < 16</td> <td>6</td> <td>4</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>/ Z (+20°C)</td> <td>φ D ≥ 16</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> </tr> <tr> <td>Z (-40°C)</td> <td>φ D < 16</td> <td>10</td> <td>8</td> <td>6</td> <td>6</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> <tr> <td>/ Z (+20°C)</td> <td>φ D ≥ 16</td> <td>18</td> <td>16</td> <td>12</td> <td>10</td> <td>8</td> <td>8</td> <td>6</td> <td>6</td> </tr> </tbody> </table>	Rated voltage (V)		6.3	10	16	25	35	50	63	100	Z (-25°C)	φ D < 16	6	4	3	3	2	2	2	2	/ Z (+20°C)	φ D ≥ 16	8	6	4	4	3	3	3	3	Z (-40°C)	φ D < 16	10	8	6	6	4	3	3	3	/ Z (+20°C)	φ D ≥ 16	18	16	12	10	8	8	6	6
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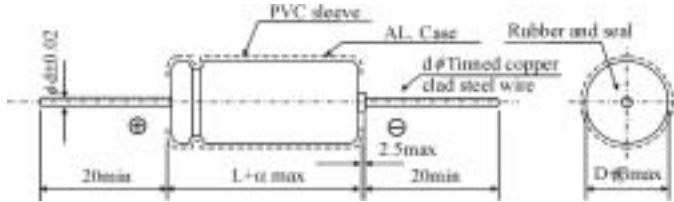
Axial Type Aluminum Electrolytic Capacitors

TE

臥式鋁質電解電容器

LOW VOLTAGE TYPE

DIAGRAM OF DIMENSIONS



ΦD	5	6.3	8	10	13	16	18	22	25
Φd	0.6					0.8			
α	1.5				2.0				
β	0.5				1.0				

DIMENSIONS & RIPPLE CURRENT

Diameter (D φ) × Length(L) m/m
尺寸：直徑(D φ) × 長度(m/m)

RIPPLE CURRENT . mA at 85°C, 120Hz
紋波電流(mA)：溫度 85°C ，測試頻率 120Hz

μF	V.DC Contents	0J		10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)		63V (1J)		100V (2A)	
			mA	φ D×L	mA	φ D×L	mA	φ D×L	mA	φ D×L	mA	φ D×L	mA	φ D×L	mA	φ D×L	mA
												5×12	1.5	5×12	3	5×12	3
	R22											5×12	3.5	5×12	4.5	5×12	5
0.33	R33											5×12	5	5×12	7.5	5×12	8
0.47	R47											5×12	5	5×12	9	5×12	9
1.0	010											5×12	10	5×12	15	5×12	15
2.2	2R2											5×12	20	5×12	28	5×12	28
3.3	3R3											5×12	28	5×12	31	5×12	34
4.7	4R7											5×12	34	5×12	37	6.3×13	40
10	100							5×12	40	5×12	45	5×12	50	6.3×13	55	6.3×13	60
22	220					5×12	60	5×12	65	6.3×13	70	6.3×13	85	6.3×13	90	8×16	120
33	330					5×12	70	5×12	80	6.3×13	90	6.3×13	110	8×13	120	10×17	150
47	470	5×12	73	5×12	80	6.3×13	85	6.3×13	100	6.3×13	120	8×13	130	8×16	160	10×21	190
100	101	6.3×13	121	6.3×13	130	6.3×13	160	8×13	170	8×16	210	10×17	220	10×17	260	13×22	340
220	221	6.3×13	194	8×13	210	8×13	260	8×16	280	10×17	340	10×21	410	13×22	480	16×28	560
330	331	8×16	278	8×16	300	8×16	320	10×17	380	10×21	460	13×22	560	13×22	650	16×33	750
470	471	8×16	324	8×16	350	8×16	430	10×21	510	13×22	610	13×22	730	13×27	780	16×36	942
1000	102	10×17	631	10×17	640	10×21	770	13×22	873	13×27	955	16×33	1111	16×36	1249	18×42	1359
2200	222	13×22	929	13×22	1051	13×24	1125	16×28	1344	16×33	1421	18×36	1699	22×43	1744	25×52	2430
3300	332	13×27	1150	13×27	1288	16×28	1454	16×33	1611	18×36	1640	22×43	2027	25×52	2309		
4700	472	13×27	1354	16×28	1552	16×33	1650	18×36	1881	22×43	2280	25×43	2347	25×52	2710		
6800	682	16×28	1762	16×33	1930	18×36	2040	18×42	2170	22×43	2470	25×52	2650				
10000	103	16×36	2062	18×36	2122	18×42	2503	22×43	2893	25×52	3180						