

REV SERIES
85°C Standard.
◆ FEATURES

- Case Dia $\phi 3 \sim \phi 10 \text{mm}$
- Reflow soldering is available.
- Available for high density mounting.


◆ SPECIFICATIONS

Items	Characteristics																																												
Operating Temperature Range	-40~+85°C																																												
Rated Voltage Range	4~100V.DC																																												
Capacitance Tolerance	±20%(20°C, 120Hz)																																												
Leakage Current(MAX)	I=0.01CV or 3μA whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μA) C=Nominal Capacitance(μF) V=Rated Voltage(V)																																												
Dissipation Factor(MAX)	<table border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>4</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> <th>(20°C, 120Hz)</th> </tr> </thead> <tbody> <tr> <td>$\phi 3$</td> <td>0.40</td> <td>0.30</td> <td>-</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.14</td> <td>-</td> <td>-</td> <td></td> </tr> <tr> <td>$\tan \delta$</td> <td>$\phi 4 \sim 6.3$</td> <td>0.40</td> <td>0.26</td> <td>0.22</td> <td>0.18</td> <td>0.16</td> <td>0.13</td> <td>0.12</td> <td>-</td> <td>-</td> </tr> <tr> <td></td> <td>$\phi 8, \phi 10$</td> <td>-</td> <td>0.35</td> <td>0.26</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.12</td> <td>0.10</td> </tr> </tbody> </table>	Rated Voltage (V)	4	6.3	10	16	25	35	50	63	100	(20°C, 120Hz)	$\phi 3$	0.40	0.30	-	0.20	0.16	0.14	0.14	-	-		$\tan \delta$	$\phi 4 \sim 6.3$	0.40	0.26	0.22	0.18	0.16	0.13	0.12	-	-		$\phi 8, \phi 10$	-	0.35	0.26	0.20	0.16	0.14	0.12	0.12	0.10
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Load Life	<p>After applying rated voltage with max ripple current for 2000 hrs at 85°C, the capacitors shall meet the following requirements.</p> <table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td>Within ±25% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </tbody> </table>	Capacitance Change	Within ±25% of the initial value.	Dissipation Factor	Not more than 200% of the specified value.	Leakage Current	Not more than the specified value.																																						
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◆ MULTIPLIER FOR RIPPLE CURRENT

(1) Frequency coefficient

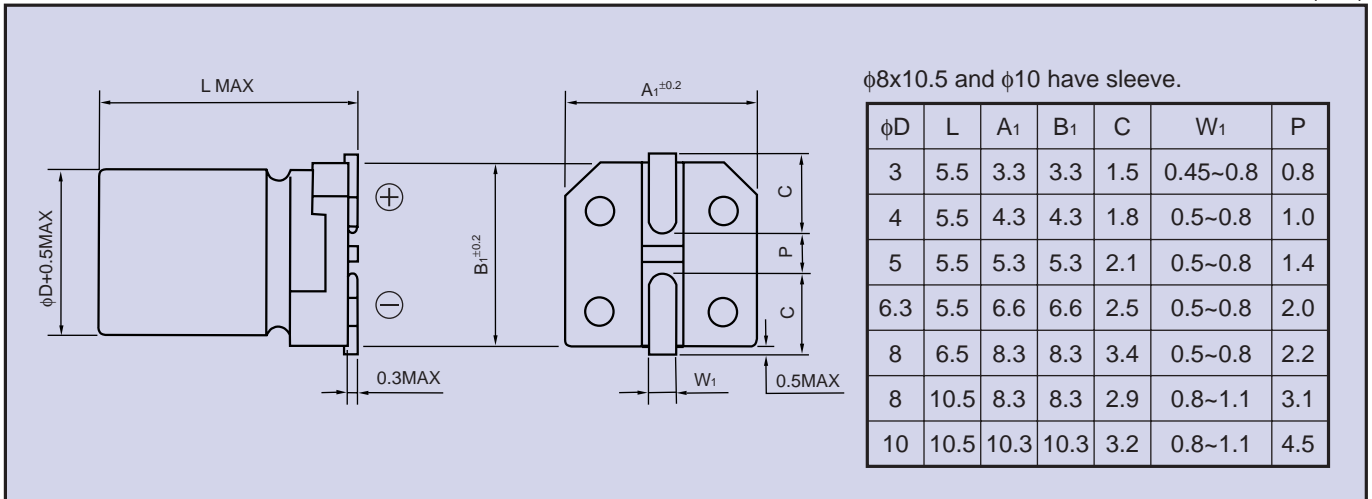
Frequency(Hz)	60(50)	120	500	1k	10k≤	
Coefficient	0.1~47μF	0.8	1.0	1.20	1.30	1.50
	100~1000μF	0.8	1.0	1.10	1.15	1.20

(2) Temperature coefficient

Ambient Temperature (°C)	85	70	50≥
Coefficient	1.0	1.6	2.0

◆ DIMENSIONS

(mm)


◆ STANDARD SIZE, MAX. PERMISSIBLE RIPPLE CURRENT

 Size $\phi D \times L$ (mm), Ripple Current (mA r.m.s./85°C, 120Hz)

Cap (μF)	WV (V.DC)	4 (0G)		6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)		63 (1J)		100 (2A)			
		Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple		
0.1													3x5.5	1.0							
0.22													3x5.5	2.0							
0.33													3x5.5	2.8							
0.47													3x5.5	4.0							
1													3x5.5	8.0							
2.2													3x5.5	10							
3.3													3x5.5	17							
4.7								3x5.5	12	3x5.5	12	4x5.5	18	4x5.5	18				8x10.5	80	
10								3x5.5	18	4x5.5	25	5x5.5	30	5x5.5	30				8x10.5	90	
22		3x5.5	19	3x5.5	21			4x5.5	30				6.3x5.5	48	6.3x5.5	48	8x10.5	75	8x10.5	130	
33		4x5.5	28			4x5.5	32	5x5.5	43	5x5.5	43	6.3x5.5	54	6.3x5.5	58	8x10.5	200	8x10.5	160	10x10.5	170
47		4x5.5	34	4x5.5	36			5x5.5	50	6.3x5.5	60	6.3x5.5	60	8x6.5	115	8x10.5	240	8x10.5	170		
100		5x5.5	61	5x5.5	61	6.3x5.5	71	6.3x5.5	86	8x6.5	160	8x10.5	280	8x10.5	320	10x10.5	240				
220		6.3x5.5	96			8x6.5	190	8x10.5	290	8x10.5	300	10x10.5	570								
330				8x6.5	210	8x10.5	330	8x10.5	330	10x10.5	680										
470				8x10.5	380	8x10.5	380	8x10.5	385												
1000				10x10.5	700																

Case sizes 16x16.5 and 18x16.5 for specific capacitors, not listed in above, are also considered upon request. Please consult the availability.