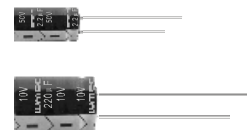


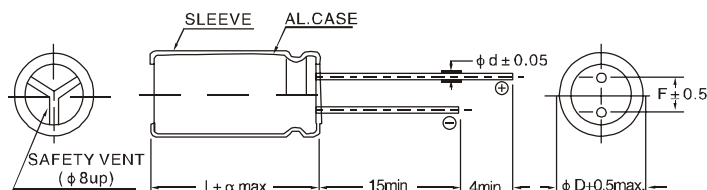
RM Wide Temperature Range, Height 7mm or 9mm Series

- Super miniature series with height 7mm or 9mm(for ϕ D8 only)
- High performance and excellent temperature characteristics
- Wide operating temperature range of $-40^{\circ}\text{C}\sim+105^{\circ}\text{C}$



Item	Characteristics																					
Operating Temperature Range	$-40\sim+105^{\circ}\text{C}$																					
Rated Working Voltage Range	4~63V.DC																					
Capacitance Tolerance	$\pm 20\%$ (M)at 120Hz,25 $^{\circ}\text{C}$																					
Leakage Current (max.)	$I=0.01\text{CV}$ or $3\mu\text{A}$ whichever is greater after 2 minutes																					
	I: Leakage Current (μA) C: Nominal Capacitance(μF) Rated Working Voltage (V)																					
Dissipation Factor ($\tan \delta$) (at 120Hz, 25 $^{\circ}\text{C}$) (max.)	<table border="1"> <tr> <th>WV</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> </tr> <tr> <td>$\tan \delta$</td> <td>0.35</td> <td>0.22</td> <td>0.19</td> <td>0.15</td> <td>0.12</td> <td>0.12</td> <td>0.10</td> <td>0.10</td> </tr> </table>	WV	4	6.3	10	16	25	35	50	63	$\tan \delta$	0.35	0.22	0.19	0.15	0.12	0.12	0.10	0.10			
	WV	4	6.3	10	16	25	35	50	63													
$\tan \delta$	0.35	0.22	0.19	0.15	0.12	0.12	0.10	0.10														
Low Temperature Stability (Impedance ratio at 120Hz)	<table border="1"> <tr> <th>WV</th> <th>4</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25.35</th> <th>50.63</th> </tr> <tr> <td>$Z(-25^{\circ}\text{C})/Z(+25^{\circ}\text{C})$</td> <td>6</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>$Z(-40^{\circ}\text{C})/Z(+25^{\circ}\text{C})$</td> <td>12</td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> <td>3</td> </tr> </table>	WV	4	6.3	10	16	25.35	50.63	$Z(-25^{\circ}\text{C})/Z(+25^{\circ}\text{C})$	6	4	3	2	2	2	$Z(-40^{\circ}\text{C})/Z(+25^{\circ}\text{C})$	12	10	8	6	4	3
	WV	4	6.3	10	16	25.35	50.63															
	$Z(-25^{\circ}\text{C})/Z(+25^{\circ}\text{C})$	6	4	3	2	2	2															
$Z(-40^{\circ}\text{C})/Z(+25^{\circ}\text{C})$	12	10	8	6	4	3																
Load Life	After 1000 hours application of W. V. at 105 $^{\circ}\text{C}$, the capacitor shall meet the following limits.																					
	Capacitance Change	$\leq \pm 20\%$ of the initial measured value.																				
	Dissipation Factor	$\leq 200\%$ of the initial specified value.																				
Shelf Life(105 $^{\circ}\text{C}$)	After 500 hours of no load test, leakage current, capacitance and $\tan \delta$ are same as load life value.																					
	Reference Standard	JIS C - 5141																				

• DRAWING(Unit:mm)



ϕ D	4	5	6.3	8
F	1.5	2.0	2.5	3.5
ϕ d	0.45	0.5	0.5	0.5
α	1.0			1.5

• DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV Cap.(μF)	4		6.3		10		16		25		35		50		63	
	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.
0.1													4x7	1	4x7	2.4
0.22													4x7	2.3	4x7	3.2
0.33													4x7	3.5	4x7	4
0.47													4x7	5	4x7	6
0.68													4x7	8	4x7	8.1
1.0													4x7	10	4x7	11
2.2													4x7	16	4x7	16
3.3													4x7	24	4x7	22
4.7											4x7	24	4x7	29	5x7	30
6.8											4x7	29	4x7	38	5x7	39
10							4x7	26	4x7	28	4x7	32	5x7	44	6.3x7	45
22					4x7	36	4x7	40	5x7	45	5x7	53	6.3x7	65	6.3x7	100
33					4x7	42	5x7	50	5x7	55	6.3x7	67	6.3x7	100		
47					4x7	50	5x7	71	6.3x7	76	6.3x7	90	8x9	150		
68					5x7	80	6.3x7	91	8x9	121	8x9	141				
100			5x7	85	5x7	100	6.3x7	110	8x9	170	8x9	170				
220	5x7	65	6.3x7	130	6.3x7	145	8x9	168								
330	6.3x7	120	8x7	160	8x9	170										
470	8x7	150	8x9	180	8x9	230										

Ripple current (mA rms) at 105 $^{\circ}\text{C}$, 120Hz
Case size ϕ D x L(mm)