

● 损耗角正切小，性能稳定，可靠性水平打6级

Low dissipation factor, high stability.

The rank of reliability is the 6th rank.

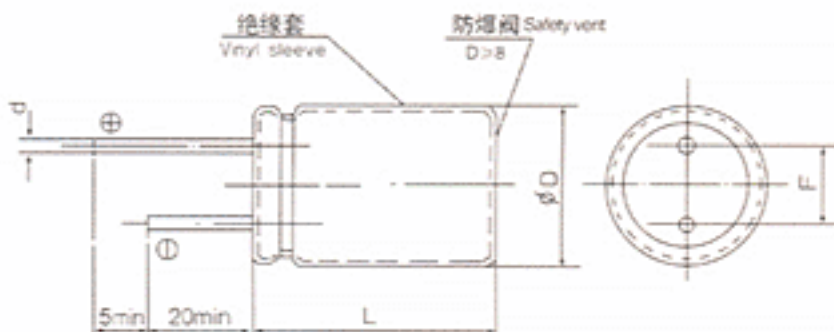
CD110



主要技术性能 Specifications

使用温度范围 Operating temperature range	-40 ~ +105°C	-25 ~ +105°C																								
额定电压范围 Rated voltage range	6.3~ 100V	160~ 450V																								
标称电容量范围 Nominal capacitance range	0.1 ~ 15000µF																									
标称电容量允许偏差 Capacitance tolerance	± 20%																									
漏电流 Leakage current	$I \leq 0.01C_R U_R (\mu A)$ 或 $3\mu A$ (取较大者 Whichever is greater)	$I \leq 0.03C_R U_R + 10 (\mu A)$																								
损耗角正切值 (tgδ) Dissipation factor (20°C, 100Hz)	<table border="1"> <tr> <td>$U_R (V)$</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> <td>160~250</td> <td>350~450</td> </tr> <tr> <td>tgδ</td> <td>0.22</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td>0.08</td> <td>0.18</td> <td>0.20</td> </tr> </table> <p>容量大于 1000µF 者，每增加 1000µF，其损耗角正切值增加 0.02 0.02 is added to every 1000µF increase over 1000µF</p>		$U_R (V)$	6.3	10	16	25	35	50	63	100	160~250	350~450	tgδ	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08	0.18	0.20		
$U_R (V)$	6.3	10	16	25	35	50	63	100	160~250	350~450																
tgδ	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08	0.18	0.20																
温度特性 Temperature characteristics (Impedance ratio at 100Hz)	<table border="1"> <tr> <td>$U_R (V)$</td> <td>6.3</td> <td>10</td> <td>16~50</td> <td>63~100</td> <td>160~250</td> <td>350~400</td> <td>450</td> </tr> <tr> <td>Z-25°C/Z+20°C</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>≤ 6</td> <td>≤ 8</td> <td>≤ 15</td> </tr> <tr> <td>Z-40°C/Z+20°C</td> <td>≤ 8</td> <td>≤ 6</td> <td>≤ 4</td> <td>≤ 3</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table> <p>容量大于 1000µF 者，每增加 1000µF，Z-25°C/ Z+20°C 增加 0.5；Z-40°C/ Z+20°C 增加 1 Z-25°C/ Z+20°C: 0.5 is added and Z-40°C/ Z+20°C: 1 is added to every 1000µF increase over 1000µF</p>		$U_R (V)$	6.3	10	16~50	63~100	160~250	350~400	450	Z-25°C/Z+20°C	-	-	-	-	≤ 6	≤ 8	≤ 15	Z-40°C/Z+20°C	≤ 8	≤ 6	≤ 4	≤ 3	-	-	-
$U_R (V)$	6.3	10	16~50	63~100	160~250	350~400	450																			
Z-25°C/Z+20°C	-	-	-	-	≤ 6	≤ 8	≤ 15																			
Z-40°C/Z+20°C	≤ 8	≤ 6	≤ 4	≤ 3	-	-	-																			
耐久性 Load life	<p>+105°C 施加带纹波电流的额定电压 2000 小时，恢复 16 小时后。 After applying rated voltage with specified ripple current for 2000 hours at +105°C and resumed 16 hours: 电容量变化率 capacitance change: ± 20% 初始测量值以内 initial measured value 漏电流 leakage current: ≤ 初始规定值 initial specified value 损耗角正切值 Dissipation factor: ≤ 2 倍初始规定值 initial specified value</p>																									
高温贮存 Shelf life	<p>+105°C, 1000 小时，恢复 16 小时后 After storage for 1000 hours at +105°C and then resumed 16 hours: 电容量变化率 capacitance change: ± 20% 初始测量值以内 initial measured value 漏电流 leakage current: ≤ 2 倍初始规定值 initial specified value 损耗角正切值 Dissipation factor: ≤ 2 倍初始规定值 initial specified value</p>																									

外形图及尺寸表 Case size table



D	± 0.5			± 1.0				
	5	6.3	8	10	12.5	16	18	
L	+2.0 0	11	11	11.5	12.5, 16, 20	20, 25	25, 31.5	35.5
F ± 0.5	2	2.5	3.5	5		7.5		
d ± 0.1	0.5		0.6			0.8		