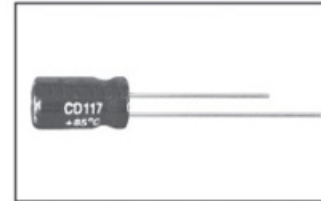


CD117 Radial Lead Aluminum Electrolytic Capacitors

- 高稳定, 损耗小, 漏电流小
High stability, low dissipation factor, low leakage current
- 适用于高稳定电路
Used in high stability circuit.

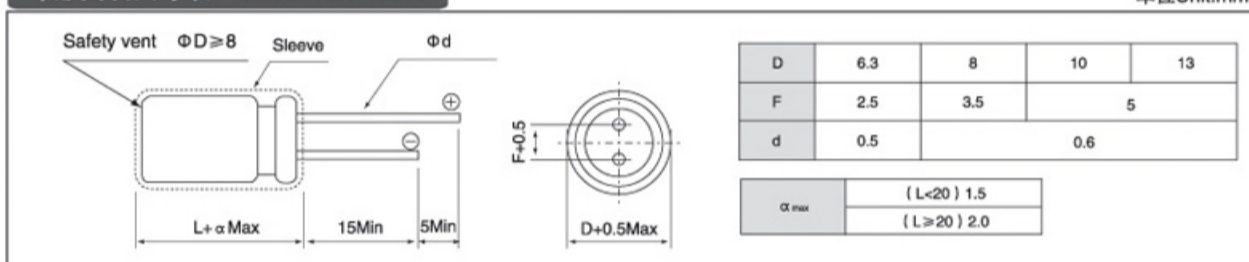


主要技术性能 Specifications

项目 Item	特性 Performance Characteristics										
使用温度范围 Operating Temperature Range	-40 ~ +85℃										
额定电压范围 Rated Voltage Range	10 ~ 50V										
标称电容范围 Nominal capacitance range	0.47~47 μF										
标称电容允许偏差 Capacitance tolerance	± 20%(120Hz, +20℃)										
漏电流 Leakage current	$I \leq 0.01C_n V_R (\mu A) + 3 \mu A$ 1分钟(1minute)										
损耗角正切值 (tg δ) Dissipation factor (+20℃, 120Hz)	<table border="1"> <tr> <th>$U_R(V)$</th> <td>10</td> <td>16</td> <td>25</td> <td>50</td> </tr> <tr> <th>tg δ</th> <td>0.10</td> <td>0.10</td> <td>0.10</td> <td>0.08</td> </tr> </table>	$U_R(V)$	10	16	25	50	tg δ	0.10	0.10	0.10	0.08
	$U_R(V)$	10	16	25	50						
tg δ	0.10	0.10	0.10	0.08							
温度特性 Temperature Characteristics (Impedance ratio at 120Hz)	<table border="1"> <tr> <th>$U_R(V)$</th> <td>10</td> <td>16</td> <td>25</td> <td>50</td> </tr> <tr> <th>Z-40℃ / Z+20℃</th> <td colspan="4">≤4</td> </tr> </table>	$U_R(V)$	10	16	25	50	Z-40℃ / Z+20℃	≤4			
$U_R(V)$	10	16	25	50							
Z-40℃ / Z+20℃	≤4										
耐久性 Load Life	+85℃施加额定电压 1000 小时, 恢复16小时后: After applying rated voltage for 1000 hours at +85℃ and then resumed 16 hours: 电容变化率 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										
高温贮存 Shelf Life	+85℃, 1000 小时贮存后, 恢复16小时后: After storage for 1000 hours at +85℃, and then resumed 16 hours 电容变化率 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										

外形图及尺寸表 Case size table

单位Unit:mm



额定值标准 Standard rating

ΦD × L(mm)

容量 Cn(μF)	代码 Code	电压Ur			
		10V	16V	25V	50V
0.47	R47	1A	1C	1E	1H
1	010			6.3 × 11	6.3 × 11
2.2	2R2		6.3 × 11	6.3 × 11	6.3 × 11
3.3	3R3		6.3 × 11	6.3 × 11	6.3 × 11
4.7	4R7	6.3 × 11	6.3 × 11	6.3 × 11	8 × 12
10	100	8 × 12	8 × 12	10 × 13	10 × 16
22	220	10 × 13	10 × 13	10 × 16	10 × 20
33	330	10 × 16	10 × 16	10 × 20	13 × 20
47	470	10 × 20	10 × 20	13 × 20	