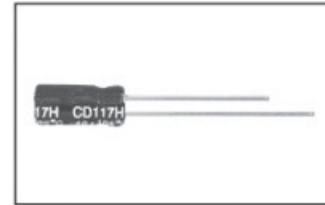


CD117H Radial Lead Aluminum Electrolytic Capacitors

- 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 circuits

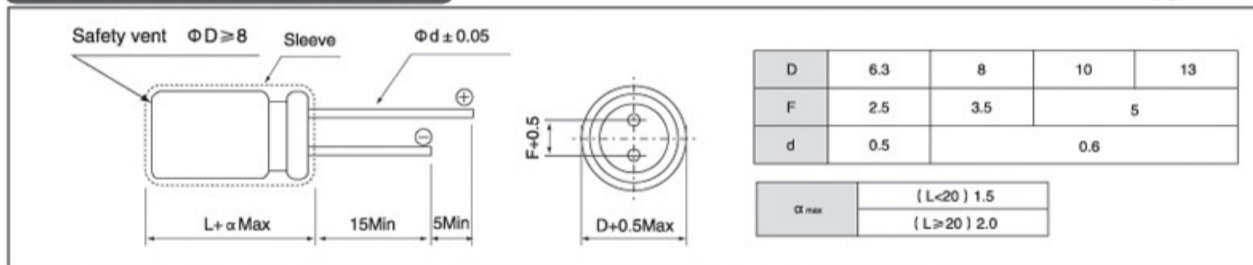


主要技术性能 Specifications

项目 Item	特性 Performance Characteristics										
使用温度范围 Operating Temperature Range	-40 ~ +105℃										
额定电压范围 Rated Voltage Range	10 ~ 50V										
标称电容量范围 Nominal capacitance range	0.47 ~ 47 μF										
标称电容量允许偏差 Capacitance tolerance	± 20% (120Hz, +20℃)										
漏电流 Leakage current	$I \leq 0.01C_n V_n (\mu A) + 3 \mu A$ 1分钟(1 minute)										
损耗角正切值 (tg δ) Dissipation factor (+20℃, 120Hz)	<table border="1"> <thead> <tr> <th>$U_n(V)$</th> <th>10</th> <th>16</th> <th>25</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>tg δ</td> <td>0.10</td> <td>0.10</td> <td>0.10</td> <td>0.08</td> </tr> </tbody> </table>	$U_n(V)$	10	16	25	50	tg δ	0.10	0.10	0.10	0.08
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温度特性 Temperature Characteristics (Impedance ratio at 120Hz)	<table border="1"> <thead> <tr> <th>$U_n(V)$</th> <th>10</th> <th>16</th> <th>25</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>$Z_{-40^\circ C} / Z_{+20^\circ C}$</td> <td colspan="4">≤ 4</td> </tr> </tbody> </table>	$U_n(V)$	10	16	25	50	$Z_{-40^\circ C} / Z_{+20^\circ C}$	≤ 4			
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耐久性 Load Life	<p>+105℃施加额定电压 1000 小时, 恢复16小时后: After applying rated voltage for 1000 hours at +105℃ and then resumed 16 hours:</p> <p>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℃, 1000 小时贮存后, 恢复16小时后: After storage for 1000 hours at +105℃, and then resumed 16 hours</p> <p>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

单位Unit:mm



额定值标准 Standard rating

ΦD × L(mm)

电压 U_n	10V	16V	25V	50V
容量 C_n (μF) 代码 Code	1A	1C	1E	1H
0.47 R47				6.3 × 11
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	