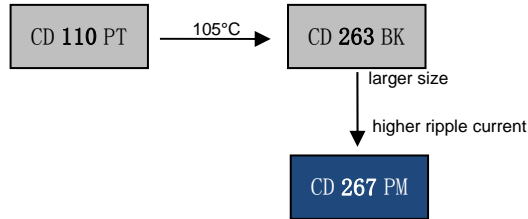


2000h at 105°C

- Body diameter of $\phi 16\text{mm}$ to $\phi 25\text{mm}$
- With high ripple current capability
For switching adapter
- Expanded rated voltage range



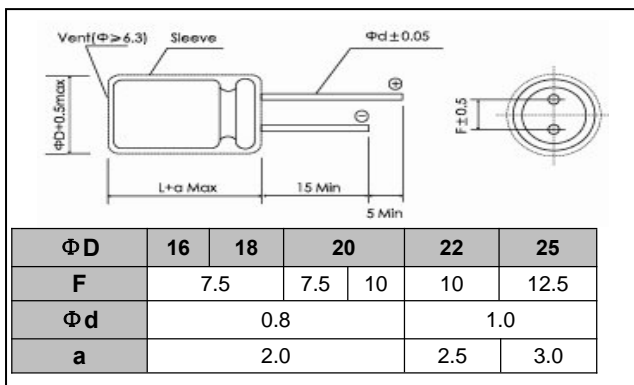
Items	Characteristics																												
Operating Temperature Range(°C)	-55 ~ +105																												
Voltage Range (V)	6.3~ 100																												
Capacitance Range(μF)	470 ~ 33000																												
Capacitance Tolerance (20°C,120Hz)	$\pm 20\%$																												
Leakage Current (μA)	After 2 minutes at 20°C application of rated voltage, leakage current is not more than 0.01CV. C:Nominal Capacitance(μF) V:Rated Voltage(V)																												
Dissipation Factor (20°C, 120Hz)	<table border="1"> <thead> <tr> <th>Rated Voltage(V)</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> </tr> </thead> <tbody> <tr> <td>Tan δ(max)</td> <td>0.28</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.08</td> </tr> </tbody> </table>	Rated Voltage(V)	6.3	10	16	25	35	50	63	100	Tan δ (max)	0.28	0.24	0.20	0.16	0.14	0.12	0.10	0.08										
	Rated Voltage(V)	6.3	10	16	25	35	50	63	100																				
Tan δ (max)	0.28	0.24	0.20	0.16	0.14	0.12	0.10	0.08																					
When nominal capacitance is over 1000 μF tan δ shall be added 0.02 to the listed value with increase of every 1000 μF																													
Stability at Low Temperature (Impedance Ratio at 120Hz)	<table border="1"> <thead> <tr> <th>Rated Voltage(V)</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> </tr> </thead> <tbody> <tr> <td rowspan="2">Impedance Ratio</td> <td>Z_{-25°C/+20°C}</td> <td>5</td> <td>4</td> <td>3</td> <td colspan="5">2</td> </tr> <tr> <td>Z_{-40°C/+20°C}</td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> <td colspan="4">3</td> </tr> </tbody> </table>	Rated Voltage(V)	6.3	10	16	25	35	50	63	100	Impedance Ratio	Z _{-25°C/+20°C}	5	4	3	2					Z _{-40°C/+20°C}	10	8	6	4	3			
	Rated Voltage(V)	6.3	10	16	25	35	50	63	100																				
Impedance Ratio	Z _{-25°C/+20°C}	5	4	3	2																								
	Z _{-40°C/+20°C}	10	8	6	4	3																							

	Useful Life		Load Life	Endurance Test	Shelf Life
Lifetime	3000h	35000h	2000h	2000h	1000h
Leakage Current	Not more than specified value		Not more than specified value	Not more than specified value	Not more than specified value
Capacitance Change	Within $\pm 30\%$ of initial value		Within $\pm 20\%$ of initial value	Within $\pm 20\%$ of initial value	Within $\pm 20\%$ of initial value
Dissipation Factor	Not more than 300% of specified value		Not more than 200% of specified value	Not more than 200% of specified value	Not more than 200% of specified value
Condition: Applied Voltage Applied Current Applied Temperature	U_R I_R 105°C	U_R $1.4 \times I_R$ 60°C	U_R I_R 105°C	U_R $I_R = 0$ 105°C	$U_R = 0$ $I_R = 0$ 105°C <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">After test: U_R to be applied for 30min>24h before measurement</div>

Dimensions

mm

Frequency Coefficient



Rated Voltage(v)	Frequency					
	50/60Hz	120Hz	300Hz	1KHZ	$\geq 10\text{KHZ}$	
6.3~100	Cap(μF) ≤ 470	0.75	1.00	1.35	1.57	2.00
	> 470	0.85	1.00	1.10	1.13	1.15

Temperature Coefficient

Temperature(°C)	+70	+80	+105
Rated Voltage(V)			
6.3~100	2.0	1.7	1.0

Ratings for CD 267 PM Series

U _R (Surge Voltage) Code	Rated Capacitance	Max ESR 20°C, 120Hz	Typ ESR 20°C, 120Hz	Rated Ripple Current 105°C, 120Hz	Size ΦD×L	P/N
(v)	(μF)	(Ω)	(Ω)	(mA _{rms})	(mm)	-
6.3 (7.2) 0J	10000	0.058	0.041	1650	16X25	ECR0JPM103M□□160025
	15000	0.048	0.034	2010	16X35.5	ECR0JPM153M□□160035
	22000	0.041	0.029	2350	18x40	ECR0JPM223M□□180040
	33000	0.036	0.026	2800	22x51	ECR0JPM333M□□220051
10 (13) 1A	6800	0.066	0.047	1570	16x25	ECR1APM682M□□160025
	10000	0.053	0.037	1890	16x35.5	ECR1APM103M□□160035
	15000	0.044	0.031	2180	18x35.5	ECR1APM153M□□180035
	22000	0.039	0.027	2650	20x41	ECR1APM223M□□200041
16 (20) 1C	33000	0.035	0.025	3250	22x51	ECR1APM333M□□220051
	4700	0.073	0.051	1480	16x25	ECR1CPM472M□□160025
	6800	0.059	0.041	1780	16X35.5	ECR1CPM682M□□160035
	10000	0.048	0.034	2060	18x35.5	ECR1CPM103M□□180035
25 (32) 1E	15000	0.041	0.029	2430	20x41	ECR1CPM153M□□203041
	22000	0.036	0.026	3003	22X51	ECR1CPM223M□□220051
	33000	0.033	0.023	3450	25x51	ECR1CPM333M□□250051
	3300	0.080	0.056	1400	16x25	ECR1EPM332M□□160025
35 (44) 1V	4700	0.062	0.043	1710	16X31.5	ECR1EPM472M□□160031
	6800	0.047	0.033	2040	18x35.5	ECR1EPM682M□□180035
	10000	0.040	0.028	2150	20x41	ECR1EPM103M□□200041
	15000	0.035	0.025	2750	22x51	ECR1EPM153M□□220051
50 (63) 1H	22000	0.033	0.023	3250	25X51	ECR1EPM223M□□250051
	2200	0.097	0.068	1260	16x25	ECR1VPM222M□□160025
	3300	0.072	0.050	1610	16x35.5	ECR1VPM332M□□160035
	4700	0.056	0.039	1910	18X35.5	ECR1VPM472M□□180035
63 (79) 2A	6800	0.043	0.030	2150	20x41	ECR1VPM682M□□200041
	10000	0.037	0.026	2650	22x51	ECR1VPM103M□□220051
	15000	0.034	0.024	3100	25X51	ECR1VPM153M□□250051
	2200	0.084	0.059	1470	16x35.5	ECR1HPM222M□□160035
100 (125) 2A	3300	0.064	0.045	1770	18x35.5	ECR1HPM332M□□180335
	4700	0.051	0.036	2100	20x41	ECR1HPM472M□□200041
	6800	0.039	0.027	2500	22x51	ECR1HPM682M□□220051
	10000	0.035	0.025	2850	25x51	ECR1HPM103M□□250051

U _R (Surge Voltage) Code	Rated Capacitance	Max ESR 20°C, 120Hz	Typ ESR 20°C, 120Hz	Rated Ripple Current 105°C, 120Hz	Size ΦD×L	P/N
(v)	(μF)	(Ω)	(Ω)	(mA _{rms})	(mm)	-
63 (79) 1J	1000	0.133	0.093	930	16x25	ECR1JPM102M□□160025
	2200	0.072	0.05	1650	18x35.5	ECR1JPM222M□□180035
	3300	0.056	0.039	1950	20x41	ECR1JPM332M□□200041
	4700	0.045	0.031	2450	22x51	ECR1JPM472M□□220051
100 (125) 2A	6800	0.035	0.025	2800	25x51	ECR1JPM682M□□250051
	470	0.226	0.158	715	16x25	ECR2APM471M□□160025
	1000	0.106	0.074	985	20x41	ECR2APM102M□□200041
	2200	0.060	0.042	1750	22x51	ECR2APM222M□□220051
2A	3300	0.048	0.034	2070	25x51	ECR2APM332M□□250051

Customer products are available on request.

Lifetime Diagram

Lifetime Diagram 6.3~100V

