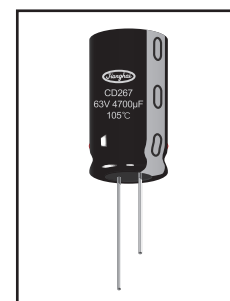
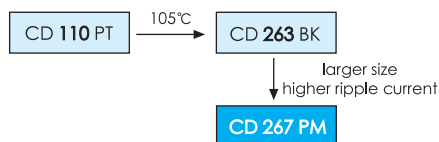


# CD 267 PM SERIES



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

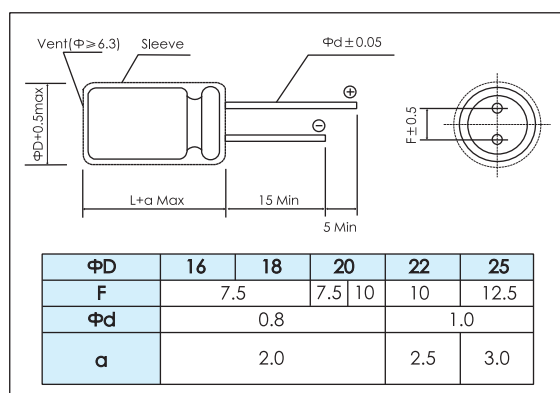


Items	Characteristics																											
Operating Temperature Range (°C)	-55 ~ +105																											
Voltage Range (V)	6.3~ 100																											
Capacitance Range (μF)	470 ~ 33000																											
Capacitance Tolerance (20°C, 120Hz)	± 20%																											
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 1000μF, tanδ shall be added 0.02 to the listed value with increase of every 1000μF																												
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</td> <td><math>Z_{-25^\circ\text{C}} / Z_{+20^\circ\text{C}}</math></td> <td>5</td> <td>4</td> <td>3</td> <td colspan="4">2</td> </tr> <tr> <td>Ratio</td> <td><math>Z_{-40^\circ\text{C}} / Z_{+20^\circ\text{C}}</math></td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> <td colspan="3">3</td> </tr> </tbody> </table>	Rated Voltage (V)	6.3	10	16	25	35	50	63	100	Impedance	$Z_{-25^\circ\text{C}} / Z_{+20^\circ\text{C}}$	5	4	3	2				Ratio	$Z_{-40^\circ\text{C}} / Z_{+20^\circ\text{C}}$	10	8	6	4	3		
	Rated Voltage (V)	6.3	10	16	25	35	50	63	100																			
	Impedance	$Z_{-25^\circ\text{C}} / Z_{+20^\circ\text{C}}$	5	4	3	2																						
Ratio		$Z_{-40^\circ\text{C}} / Z_{+20^\circ\text{C}}$	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 ± 30% of initial value		Within ± 20% of initial value	Within ± 20% of initial value	Within ± 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 After test: $U_R$ to be applied for 30min >24h before measurement

## Dimensions

mm



## Frequency Coefficient

Rated Voltage (V)	Frequency Cap (μF)	Frequency				
		50/60Hz	120Hz	300Hz	1kHz	>10kHz
6.3 ~ 100	470	0.75	1.00	1.35	1.57	2.00
	>470	0.85	1.00	1.10	1.13	1.15

## Temperature Coefficient

Rated Voltage(V)	Temperature(°C)		
	+70	+85	+105
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 x L	P/N
(V)	(μF)	(Ω)	(Ω)	(mA <sub>rms</sub> )	(mm)	-
6.3 (7.2) 0J	10000	0.058	0.041	1650	16 × 25	ECR0JPM103M□□160025
	15000	0.048	0.034	2010	16 × 35.5	ECR0JPM153M□□160035
	22000	0.041	0.029	2350	18 × 40	ECR0JPM223M□□180040
	33000	0.036	0.026	2800	22 × 51	ECR0JPM333M□□220051
10 (13) 1A	6800	0.066	0.047	1570	16 × 25	ECR1APM682M□□160025
	10000	0.053	0.037	1890	16 × 35.5	ECR1APM103M□□160035
	15000	0.044	0.031	2180	18 × 35.5	ECR1APM153M□□180035
	22000	0.039	0.027	2650	20 × 41	ECR1APM223M□□200041
16 (20) 1C	33000	0.035	0.025	3250	22 × 51	ECR1APM333M□□220051
	4700	0.073	0.051	1480	16 × 25	ECR1CPM472M□□160025
	6800	0.059	0.041	1780	16 × 35.5	ECR1CPM682M□□160035
	10000	0.048	0.034	2060	18 × 35.5	ECR1CPM103M□□180035
25 (32) 1E	15000	0.041	0.029	2430	20 × 41	ECR1CPM153M□□200041
	22000	0.036	0.026	3000	22 × 51	ECR1CPM223M□□220051
	33000	0.033	0.023	3450	25 × 51	ECR1CPM333M□□250051
	3300	0.080	0.056	1400	16 × 25	ECR1EPM332M□□160025
	4700	0.062	0.043	1710	16 × 31.5	ECR1EPM472M□□160031
	6800	0.047	0.033	2040	18 × 35.5	ECR1EPM682M□□180035
35 (44) 1V	10000	0.040	0.028	2150	20 × 41	ECR1EPM103M□□200041
	15000	0.035	0.025	2750	22 × 51	ECR1EPM153M□□220051
	22000	0.033	0.023	3250	25 × 51	ECR1EPM223M□□250051
	2200	0.097	0.068	1260	16 × 25	ECR1VPM222M□□160025
	3300	0.072	0.050	1610	16 × 35.5	ECR1VPM332M□□160035
	4700	0.056	0.039	1910	18 × 35.5	ECR1VPM472M□□180035
50 (63) 1H	6800	0.043	0.030	2150	20 × 41	ECR1VPM682M□□200041
	10000	0.037	0.026	2650	22 × 51	ECR1VPM103M□□220051
	15000	0.034	0.024	3100	25 × 51	ECR1VPM153M□□250051
	2200	0.084	0.059	1470	16 × 35.5	ECR1HPM222M□□160035
	3300	0.064	0.045	1770	18 × 35.5	ECR1HPM332M□□180035
	4700	0.051	0.036	2100	20 × 41	ECR1HPM472M□□200041
63 (79) 1J	6800	0.039	0.027	2500	22 × 51	ECR1HPM682M□□220051
	10000	0.035	0.025	2850	25 × 51	ECR1HPM103M□□250051
	1000	0.133	0.093	930	16 × 25	ECR1JPM102M□□160025
	2200	0.072	0.05	1650	18 × 35.5	ECR1JPM222M□□180035
	3300	0.056	0.039	1950	20 × 41	ECR1JPM332M□□200041
	4700	0.045	0.031	2450	22 × 51	ECR1JPM472M□□220051
100 (125) 2A	6800	0.035	0.025	2800	25 × 51	ECR1JPM682M□□250051
	470	0.226	0.158	715	16 × 25	ECR2APM471M□□160025
	1000	0.106	0.074	985	20 × 41	ECR2APM102M□□200041
	2200	0.060	0.042	1750	22 × 51	ECR2APM222M□□220051
	3300	0.048	0.034	2070	25 × 51	ECR2APM332M□□250051

MINIATURE

Customer products are available on request.

## Lifetime Diagram

Lifetime Diagram 6.3 ~ 100V

