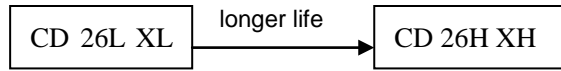


3000 - 5000h at 105°C

- Slim Type
- High ripple current

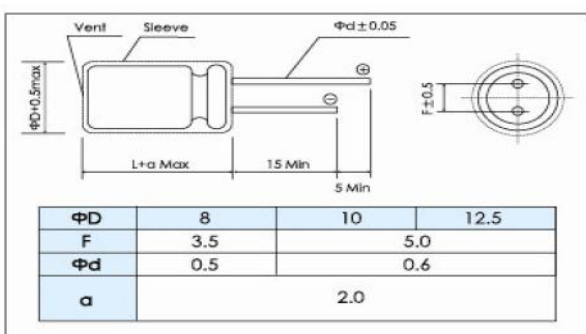


Items	Characteristics										
Operating Temperature Range(°C)	-25 ~ +105										
Voltage Range (V)	200 ~ 500										
Capacitance Range(μF)	33~ 220										
Capacitance Tolerance (20°C,120Hz)	± 20%										
Leakage Current (μA)	After 1 minute at 20°C application of rated voltage, leakage current is not more than 0.02CV C:Nominal Capacitance(μF) V:Rated Voltage(V)										
Dissipation Factor (20°C, 120Hz)	<table border="1"> <tr> <td>Rated Voltage(v)</td> <td>200</td> <td>250~420</td> <td>450</td> <td>500</td> </tr> <tr> <td>tan δ (max)</td> <td>0.12</td> <td>0.15</td> <td>0.12</td> <td>0.20</td> </tr> </table>	Rated Voltage(v)	200	250~420	450	500	tan δ (max)	0.12	0.15	0.12	0.20
Rated Voltage(v)	200	250~420	450	500							
tan δ (max)	0.12	0.15	0.12	0.20							
Stability at Low Temperature (Impedance Ratio at 120Hz)	<table border="1"> <tr> <td>Rated Voltage(v)</td> <td>200~250</td> <td>400~500</td> </tr> <tr> <td>Z_{-25°C}/ Z_{+20°C}</td> <td>3</td> <td>8</td> </tr> </table>	Rated Voltage(v)	200~250	400~500	Z _{-25°C} / Z _{+20°C}	3	8				
Rated Voltage(v)	200~250	400~500									
Z _{-25°C} / Z _{+20°C}	3	8									

	Useful Life		Load Life	Endurance Test	Shelf Life
Life Time	$\Phi \leq 10$: 6000h $\Phi > 10$: 10000h	≥ 250000 h	$\Phi \leq 10$: 3000h $\Phi > 10$: 5000h	$\Phi \leq 10$: 4000h $\Phi > 10$: 5000h	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 300% 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 1.2x I_R 40°C	U_R I_R 105°C	U_R $I_R = 0$ 105°C	<div style="border: 1px solid black; padding: 5px;"> After test: $U_R = 0$ $I_R = 0$ 105°C U_R to be applied for 30min>24h before measurement </div>

Dimensions

mm



Frequency coefficient

Frequency(Hz)		50/60	120	500	1K	$\geq 10K$
Coefficient	200~250V	0.8	1.0	1.20	1.30	1.40
	400~500V	0.8	1.0	1.25	1.40	1.50

Temperature Coefficient

Temperature (° C)	+70	+85	+105
Coefficient	1.8	1.4	1.0



Ratings for CD26H XH 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 Φ D×L	P/N
(v)	(μF)	(Ω)	(Ω)	(mA _{rms})	(mm)	-
200 (250) 2D	82	1.9	1.0	420	10X36	ECR2DXH820M□□100036
	100	1.6	0.9	480	10X40	ECR2DXH101M□□100040
	120	1.3	0.7	540	10X45	ECR2DXH121M□□100045
	150	1.1	0.6	650	12.5X36	ECR2DXH151M□□125036
	180	0.9	0.5	730	12.5X42	ECR2DXH181M□□125042
	220	0.7	0.4	840	12.5X45	ECR2DXH221M□□125045
250 (300) 2E	47	4.2	2.3	310	8X50	ECR2EXH470M□□080050
	68	2.9	1.6	340	10X36	ECR2EXH680M□□100036
	82	2.4	1.3	440	10X43	ECR2EXH820M□□100043
	100	2	1.1	500	10X50	ECR2EXH101M□□100050
	120	1.7	0.9	580	12.5X40	ECR2EXH121M□□125040
	150	1.3	0.7	680	12.5X45	ECR2EXH151M□□125045
	180	1.1	0.6	760	12.5X50	ECR2EXH181M□□125050
	220	0.9	0.5	880	12.5X61	ECR2EXH221M□□125061
400 (450) 2G	33	6.0	3.3	290	10X40	ECR2GXH330M□□100040
	47	4.2	2.3	390	10X50	ECR2GXH470M□□100050
	47	4.2	2.3	390	12.5X35	ECR2GXH470M□□125035
	56	3.6	2	440	12.5X40	ECR2GXH560M□□125040
	68	2.9	1.6	500	12.5X45	ECR2GXH680M□□125045
	82	2.4	1.3	540	12.5X61	ECR2GXH820M□□125061
	100	2	1.1	610	12.5X61	ECR2GXH101M□□125061
420 (470) 2X	39	4.1	2.2	320	10X45	ECR2XXH390M□□100045
	47	3.4	1.9	370	10X50	ECR2XXH470M□□100050
	56	2.8	1.6	450	12.5X40	ECR2XXH560M□□125040
	68	2.3	1.3	520	12.5X45	ECR2XXH680M□□125045
	82	1.9	1.1	580	12.5X61	ECR2XXH820M□□125061
450 (500) 2W	33	4.8	2.7	290	10X45	ECR2WXH330M□□100045
	39	4.1	2.2	330	10X50	ECR2WXH390M□□100050
	39	4.1	2.2	330	12.5X36	ECR2WXH390M□□125036
	47	3.4	1.9	400	12.5X40	ECR2WXH470M□□125040
	53	3.0	1.7	430	12.5X45	ECR2WXH530M□□125045
	56	2.8	1.7	460	12.5X50	ECR2WXH560M□□125050
	68	2.3	1.3	540	12.5X50	ECR2WXH680M□□125050
	82	1.9	1	600	12.5X61	ECR2WXH820M□□125061
500 (550) 2H	47	3.4	1.9	410	12.5X50	ECR2HXH470M□□125050
	53	3.0	1.7	440	12.5X61	ECR2HXH530M□□125061
	56	2.8	1.6	470	12.5X61	ECR2HXH560M□□125061

Customer products are available on request.

Lifetime Diagram

