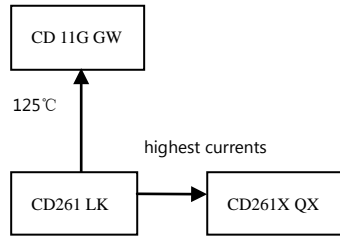


5000-10000h at 105°C

- Extra high Ripple Current
- Downsized ddaajkt
- Electronic Ballast,LED Lighting

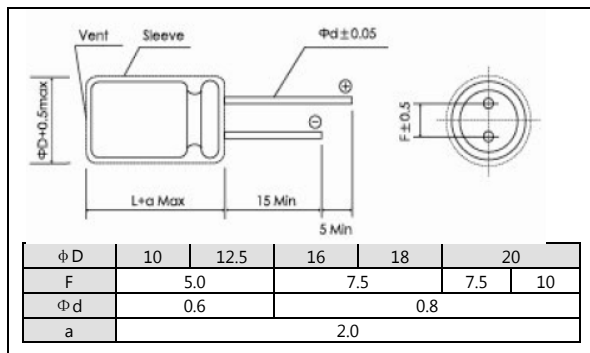


Items	Characteristics																
Operating Temperature Range(°C)	-25~+105																
Voltage Range(V)	160~500																
Capacitance Range(μF)	1.0~220																
Capacitance Tolerance(20°C,120Hz)	±20%																
Leakage Current(μF)	After 1minute at 20°C application of rated voltage,leakage current is not more than 0.04CV+100. C: Nominal Capacitance (μF) V: Rated Voltage(V)																
Dissipation Factor (20°C, 120Hz)	<table border="1"> <thead> <tr> <th>Rated Voltage(V)</th> <th>160</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>450</th> <th>500</th> </tr> </thead> <tbody> <tr> <td>Tan δ (max)</td> <td colspan="3">0.15</td> <td colspan="4">0.20</td> </tr> </tbody> </table>	Rated Voltage(V)	160	200	250	350	400	450	500	Tan δ (max)	0.15			0.20			
	Rated Voltage(V)	160	200	250	350	400	450	500									
Tan δ (max)	0.15			0.20													
Stability at low temperature(Impedance Ratio at 120Hz)	<table border="1"> <thead> <tr> <th>Rated Voltage(V)</th> <th>160</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>450</th> <th>500</th> </tr> </thead> <tbody> <tr> <td>Z_{-25°C}/ Z_{+20°C}</td> <td colspan="3">3</td> <td colspan="4">6</td> </tr> </tbody> </table>	Rated Voltage(V)	160	200	250	350	400	450	500	Z _{-25°C} / Z _{+20°C}	3			6			
Rated Voltage(V)	160	200	250	350	400	450	500										
Z _{-25°C} / Z _{+20°C}	3			6													

	Useful Life		Load Life	Endurance Test	Shelf Life
Lifetime	φ10×12.5:7000h φ10×16~:10000h φ10×20 φ≥12.5:12000h	≥100000h	φ10×12.5:5000h φ10×16~:8000h φ10×20 φ≥12.5:10000h	φ10×12.5:5000h φ10×16~:8000h φ10×20 φ≥12.5:10000h	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 ±50% of initial value		Within ±30% of initial value	Within ±20% of initial value	Within ±20% of initial value
Dissipation Factor	Not more than 500% of specified value		Not more than 300% 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 1.6×I _R 50°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

Frequency Cap(μF)	120Hz	1kHz	10kHz	50kHz	100kHz
1~4.7	0.2	0.4	0.8	0.92	1.0
6.8~15	0.3	0.6	0.9	0.96	1.0
22~82	0.4	0.7	0.9	0.96	1.0
100~220	0.45	0.75	0.9	0.96	1.0

Temperature Coefficient

Ambient Temperature(°C)	+65	+85	+105
Coefficient	2.1	1.7	1.0



CD 261X QX Series

Ratings for CD261X QX Series

U _R (Surge Voltage) C ^R ode	Rated Capacitance	Max ESR 20°C, 120Hz	Typ ESR 20°C, 120Hz	Rated Ripple Current 105°C, 100kHz	Size Φ DxL	P/N
(v)	(μF)	(Ω)	(Ω)	(mAmps)	(mm)	
160 (200) 2C	10	19.9	8.0	320	10*16	ECR2CQX100M□□100016
	22	9.0	3.6	500	10*20	ECR2CQX220M□□100020
	33	6.0	2.4	650	10*20	ECR2CQX330M□□100020
	47	4.2	1.7	750	10*20	ECR2CQX470M□□100020
	68	2.9	1.2	1180	12.5*20	ECR2CQX680M□□125020
		2.9	1.2	1180	16*20	ECR2CQX680M□□160020
	100	2.0	0.8	1420	12.5*25	ECR2CQX101M□□125025
		2.0	0.8	1420	16*20	ECR2CQX101M□□160020
	150	1.3	0.5	1890	16*25.5	ECR2CQX151M□□160025
	220	0.9	0.4	2370	18*25.5	ECR2CQX221M□□180025
200 (250) 2D	4.7	42.3	16.9	200	10*12.5	ECR2DQX4R7M□□100012
	6.8	29.3	11.7	220	10*16	ECR2DQX6R8M□□100016
	10	19.9	8.0	320	10*16	ECR2DQX100M□□100016
	22	9.0	3.6	500	10*20	ECR2DQX220M□□100020
	33	6.0	2.4	650	10*20	ECR2DQX330M□□100020
	47	4.2	1.7	980	12.5*20	ECR2DQX470M□□125020
	68	2.9	1.2	1300	12.5*25	ECR2DQX680M□□125025
		2.9	1.2	1300	16*20	ECR2DQX680M□□160020
	100	2.0	0.8	1420	16*20	ECR2DQX101M□□160020
	150	1.3	0.5	1890	16*25.5	ECR2DQX151M□□160025
250 (300) 2E	4.7	42.3	16.9	200	10*12.5	ECR2EQX4R7M□□100012
	6.8	29.3	11.7	250	10*16	ECR2EQX6R8M□□100016
	10	19.9	8.0	320	10*16	ECR2EQX100M□□100016
	22	9.0	3.6	500	10*20	ECR2EQX220M□□100020
	33	6.0	2.4	800	12.5*20	ECR2EQX330M□□125020
	47	4.2	1.7	980	12.5*25	ECR2EQX470M□□125025
	68	2.9	1.2	1300	16*20	ECR2EQX680M□□160020
	100	2.0	0.8	1530	16*25.5	ECR2EQX101M□□160025
	150	1.3	0.5	1940	18*25.5	ECR2EQX151M□□180025
	350 (400) 2V	1.5	176.9	53.1	100	10*12.5
2.2		120.6	36.2	140	10*12.5	ECR2VQX2R2M□□100012
3.3		80.4	24.1	180	10*12.5	ECR2VQX3R3M□□100012
4.7		56.5	16.9	220	10*16	ECR2VQX4R7M□□100016
5.6		47.4	14.2	250	10*16	ECR2VQX5R6M□□100016
6.8		39.0	11.7	280	10*20	ECR2VQX6R8M□□100020
10		26.5	8.0	350	10*20	ECR2VQX100M□□100020
22		12.1	3.6	650	12.5*20	ECR2VQX220M□□125020
33		8.0	2.4	900	16*20	ECR2VQX330M□□160020
47		5.6	1.7	1080	16*20	ECR2VQX470M□□160020
400 (450) 2G	68	3.9	1.2	1470	18*25.5	ECR2VQX680M□□180025
	1	265.4	79.6	70	10*12.5	ECR2GQX010M□□100012
	1.5	176.9	53.1	100	10*12.5	ECR2GQX1R5M□□100012
	2.2	120.6	36.2	140	10*12.5	ECR2GQX2R2M□□100012
	3.3	80.4	24.1	180	10*16	ECR2GQX3R3M□□100016
	4.7	56.5	16.9	220	10*16	ECR2GQX4R7M□□100016
	5.6	47.4	14.2	250	10*20	ECR2GQX5R6M□□100020
	6.8	39.0	11.7	280	10*20	ECR2GQX6R8M□□100020
	10	26.5	8.0	350	10*20	ECR2GQX100M□□100020
	15	17.7	5.3	550	12.5*20	ECR2GQX150M□□125020
22	12.1	3.6	760	12.5*25	ECR2GQX220M□□125025	
	12.1	3.6	760	16*20	ECR2GQX220M□□160020	
	33	8.0	2.4	900	16*20	ECR2GQX330M□□160020

U _R (Surge Voltage) Code	Rated Capacitance	Max ESR 20°C, 120Hz	Typ ESR 20°C, 120Hz	Rated Ripple Current 105°C, 100kHz	Size Φ DxL	P/N
(v)	(μF)	(Ω)	(Ω)	(mAmps)	(mm)	
400 (450) 2G	47	5.6	1.7	1180	16*25.5	ECR2GQX470M□□160025
	68	3.9	1.2	1470	18*25.5	ECR2GQX680M□□180025
	82	3.2	1.0	1600	18*31.5	ECR2GQX820M□□180031
	100	2.7	0.8	1778	18*36	ECR2GQX101M□□180036
	2.2	120.6	36.2	150	10*16	ECR2WQX2R2M□□100016
450 (500) 2W	3.3	80.4	24.1	180	10*12.5	ECR2WQX3R3M□□100012
		80.4	24.1	190	10*16	ECR2WQX3R3M□□100016
	4.7	56.5	16.9	212	10*16	ECR2WQX4R7M□□100016
		56.5	16.9	220	10*20	ECR2WQX4R7M□□100020
	5.6	47.4	14.2	250	10*20	ECR2WQX5R6M□□100020
	6.8	39.0	11.7	280	10*20	ECR2WQX6R8M□□100020
	10	26.5	8.0	450	12.5*20	ECR2WQX100M□□125020
	15	17.7	5.3	600	12.5*25	ECR2WQX150M□□125025
	22	12.1	3.6	730	16*20	ECR2WQX220M□□160020
	33	8.0	2.4	980	16*25.5	ECR2WQX330M□□160025
	47	5.6	1.7	1200	18*25.5	ECR2WQX470M□□180025
	68	3.9	1.2	1575	18*31.5	ECR2WQX680M□□180031
	82	3.2	1.0	1675	18*36	ECR2WQX820M□□180036
	100	2.7	0.8	1730	18*36	ECR2WQX101M□□180040
	120	2.2	0.7	1820	18*40	ECR2WQX121M□□180046
500 (550) 2H	10	26.5	9.3	360	12.5*20	ECR2HQX100M□□125020
	15	17.7	6.2	480	12.5*25	ECR2HQX150M□□125025
	22	12.1	4.2	580	16*25.5	ECR2HQX220M□□160025
	33	8.0	2.8	720	16*31.5	ECR2HQX330M□□160031
	47	5.6	2.0	900	18*31.5	ECR2HQX470M□□180031
	68	3.9	1.4	1250	18*36	ECR2HQX680M□□180036
	82	3.2	1.1	1380	20*41	ECR2HQX820M□□200041
	100	2.7	0.9	1450	20*41	ECR2HQX101M□□200041

Lifetime Diagram

