

WQ Series

High ripple current, 105°C 1000Hrs
高紋波電流, 105°C 1000小時

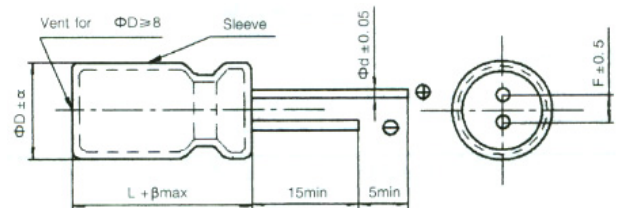
Low ESR, High reliability
低內阻, 高紋波

Specifications

Items 項目	Characteristics 特性																
Operating Temperature Range 使用溫度範圍	-40+105°C																
Rated Voltage Range 額定電壓範圍	160 to 400VDC																
Capacitance Tolerance 靜電容量容許差	±20%(M) (at 25°C, 120Hz)																
Leakage Current 漏電流	<table border="1"> <thead> <tr> <th colspan="2">1 minute</th> <th colspan="2">5 minute</th> </tr> </thead> <tbody> <tr> <td>CV ≤ 1000</td> <td>CV > 1000</td> <td>CV ≤ 1000</td> <td>CV > 1000</td> </tr> <tr> <td>0.1CV+40</td> <td>0.04CV+40</td> <td>0.03CV+15</td> <td>0.02CV+25</td> </tr> </tbody> </table>	1 minute		5 minute		CV ≤ 1000	CV > 1000	CV ≤ 1000	CV > 1000	0.1CV+40	0.04CV+40	0.03CV+15	0.02CV+25				
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0.1CV+40	0.04CV+40	0.03CV+15	0.02CV+25														
Where, I: Leakage current(μA), C: Nominal capacitance (μF), V: Rated voltage(V) (at 25°C)																	
Dissipation Factor (tan δ) 損失角正切(tan δ)	<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> </tr> </thead> <tbody> <tr> <td>DF(tan δ)</td> <td colspan="3">0.20</td> <td colspan="2">0.24</td> </tr> </tbody> </table>	Rated voltage (V)	160	200	250	350	400	DF(tan δ)	0.20			0.24		(at 25°C, 120Hz)			
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Load Life 高溫負荷特性	The following specifications shall be satisfied when the capacitors are restored to 25°C after the rated voltage and maximum ripple current are applied for 1000 hours at 105°C or the rated voltage is applied for 1000 hours at 105°C. Capacitance change ≤ ±20% of the initial value DF(tan δ) ≤ 200% of the initial specified value Leakage current ≤ The initial specified value																

Pitch Dimension (mm)

DΦ	8	10	12	13	16	18
F	3.5	5	5	5	7.5	7.5 10
d	0.5	0.6	0.6	0.6	0.8	0.8
α	0.5					
β	+1.5-0.5					



Standard Ratings

V _{DC}	160		200		250		350		400	
μF	Case size	Ripple C current	Case size	Ripple C current	Case size	Ripple C current	Case size	Ripple C current	Case size	Ripple C current
	ΦD*L(mm)	mAms/105°C 15.75KHz	ΦD*L(mm)	mAms/105°C 15.75KHz	ΦD*L(mm)	mAms/105°C 15.75KHz	ΦD*L(mm)	mAms/105°C 15.75KHz	ΦD*L(mm)	mAms/105°C 15.75KHz
1	8*14	140	8*14	140	8*14	105	10*17	123	10*17	123
2.2	10*17	218	10*17	218	10*17	157	10*20	164	10*20	164
3.3	10*20	273	10*20	273	13*21	234	13*21	214	13*21	214
4.7	10*20	310	13*21	374	13*21	200	13*26	233	13*26	233
10	13*26	442	16*26	489	16*26	365	16*32	355	16*32	355
22	16*26	547	16*26	437	16*35	455	16*35	402	18*36	402
33	16*26	632	16*32	680	18*36	513				
47	16*32	745	18*36	792						
100	18*40	1270								