

WX Series

Long life 105°C 2000Hrs to 3000Hrs
長壽命 105°C 2000小時到3000小時

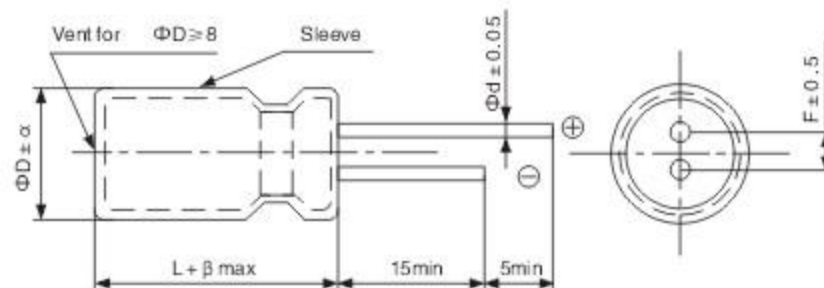
Suit for use in electronic ballast、power supplies
適用於電子鎮流器、電源供應器

Specifications

Items 項目	Characteristics 特性												
Operating Temperature Range 使用溫度範圍	-25°C ~ +105°C												
Rated Voltage Range 額定電壓範圍	160V ~ 450V VDC												
Capacitance Tolerance 靜電容量偏差	±20% (M) (at 20°C, 120Hz)												
Leakage Current 漏電流	$I=0.03CV+10\mu A$ (at 20°C, after 2 minutes) Where : I: Leakage current(μA), C: Nominal capacitance (μF), V: Rated voltage(V)												
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>400</th> <th>450</th> </tr> </thead> <tbody> <tr> <td>DF(tan δ)</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.20</td> <td>0.20</td> </tr> </tbody> </table> <p>(at 20°C, 120Hz)</p>	Rated voltage (V)	160	200	250	400	450	DF(tan δ)	0.15	0.15	0.15	0.20	0.20
Rated voltage (V)	160	200	250	400	450								
DF(tan δ)	0.15	0.15	0.15	0.20	0.20								
Low Temperature Characteristics 低溫特性	<table border="1"> <thead> <tr> <th>Rated voltage (V)</th> <th>160</th> <th>200</th> <th>250</th> <th>400</th> <th>450</th> </tr> </thead> <tbody> <tr> <td>Z(-25°C)/(20°C)</td> <td>3</td> <td>3</td> <td>3</td> <td>6</td> <td>6</td> </tr> </tbody> </table> <p>(Impedance ratio max at 120Hz).</p>	Rated voltage (V)	160	200	250	400	450	Z(-25°C)/(20°C)	3	3	3	6	6
Rated voltage (V)	160	200	250	400	450								
Z(-25°C)/(20°C)	3	3	3	6	6								
Load Life 高溫負荷特性	<p>The following specifications shall be satisfied when the capacitors are restored to 20°C after DC voltage applied which the rated ripple current at 105°C for the specified period of time.</p> <p>Capacitance change ≅ +20% of the initial measured value DF(tan δ) ≅ 200% of the initial specified value Leakage current ≅ The initial specified value</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: auto; margin-right: auto;"> <p>Case die . Test time Φ6~Φ10:2000hours Φ13及以上:3000hours</p> </div>												
Shelf Life 高溫貯存特性	<p>The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours at 105°C without voltage applied. The rated voltage shall be applied to the capacitors for a minimum of 30 minutes, at least 24 hours and not more than 48 hours before the measurements.</p> <p>Capacitance change ≅ +20% of the initial measured value DF(tan δ) ≅ 200% of the initial specified value Leakage current ≅ The initial specified value</p>												

Pitch Dimension (mm)

D Φ	6	8	10	13	16	18	
F	2.5	3.5	5	5	7.5	7.5	10
d	0.5	0.6	0.6	0.6	0.8		
α	0.5						
β	+1.5-0.5						



WX Series

Standard Ratings

V _{DC} (V)	160		200		250		400		450	
Item Cap(μF)	Case Size D*L (mm)	Ripple Current 105°C100KHz (mA)	Case Size D*L (mm)	Ripple Current 105°C100KHz (mA)	Case Size D*L (mm)	Ripple Current 105°C100KHz (mA)	Case Size D*L (mm)	Ripple Current 105°C100KHz (mA)	Case Size D*L (mm)	Ripple Current 105°C100KHz (mA)
1							6*12	26	6*12	26
2.2							8*12	44	8*12	44
3.3					8*12	58	8*14 10*13	58 70	8*16	60
4.7			8*12	64	8*14	76	8*16 10*15 10*17	74 89 95	10*17	86
6.8			8*12 8*14 10*13	78 84 90	8*14	92	10*17 10*20	114 124	10*20	112
8.2	8*12	94	8*14 10*13	92 100	8*16	108	10*20	135	13*21	144
10	8*12	104	8*14 8*16 10*13	102 120 120	8*16 10*15	120 130	10*20 13*18 13*21	150 162 176	13*18 13*21	148 176
15	8*16	146	10*17	170	10*17 10*20	170 184	13*18 13*21	198 214	13*21	196
22	10*17	206	10*20	222	13*21	238	13*26 16*20 16*26	290 282 322	13*26 16*26	264 294
33	10*20	248	13*21	292	13*21 13*26	292 324	13*30 16*26	412 394	16*30 18*26	386 382
47	10*25 13*21	340 348	13*21 13*26	348 386	13*26 16*20	386 376	18*26 18*30	490 536	18*30	490
68	13*21	418	13*26 16*26	466 566	18*20 18*25	430 538	18*34	686	18*36	644
100	13*26	564	16*30	738	16*32 18*26	696 664	18*40 22*42	825 934	18*45	874
150	16*30	824	18*30	874						
330	18*40	1498								

Ripple Current Multipliers

Frequency Coefficient 頻率修正係數

Freq 頻率 (Hz)	120	1K	10K ~ 30K	60K ~ 100K
Factor 修正因子	0.4	0.7	0.8	1.0

Temperature Coefficient 溫度修正係數

Ambient temp 環境溫度 (°C)	65	85	105
Factor 修正因子	2.0	1.7	1.0