

- Endurance: 105°C · 5000hours
- Recommended Applications : High ripple current for Electronic Ballast , Power Supply...etc
- Corresponding product to RoHS

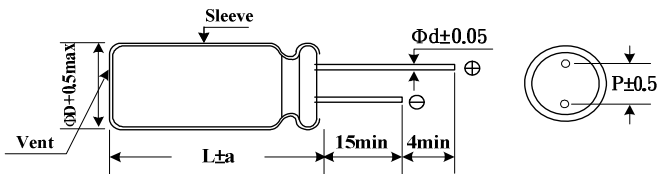
SG
↑
SQ Long Life



SPECIFICATIONS

Item	Characteristics																																	
Category Temperature Range	-40~+105°C	-25~+105°C																																
Rated Voltage Range	160 ~ 450VDC	500VDC																																
Rated Capacitance Range	3.3 ~ 330 µF	4.7~ 150 µF																																
Capacitance Tolerance	± 20 % (120Hz , 20°C)	± 20 % (120Hz , 20°C)																																
Leakage Current (20°C)	I=0.06CV + 10(µ A) (After rated voltage applied for 2 minutes) I : Max. leakage current (µ A), C : Nominal capacitance (µ F), V : Rated voltage (V)																																	
Dissipation Factor(MAX) (tan δ) (120Hz, 20°C)	<table border="1"> <tr> <td>WV</td> <td>160</td> <td>200</td> <td>250</td> <td>350</td> <td>400</td> <td>420~450</td> <td>500</td> </tr> <tr> <td>tan δ</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.20</td> <td>0.24</td> <td>0.24</td> <td>0.24</td> </tr> </table>		WV	160	200	250	350	400	420~450	500	tan δ	0.15	0.15	0.15	0.20	0.24	0.24	0.24																
WV	160	200	250	350	400	420~450	500																											
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Low Temperature Stability Impedance Ratio (MAX)	<table border="1"> <tr> <td rowspan="3">Z (120Hz)</td> <td colspan="8">WV</td> </tr> <tr> <td>160</td> <td>200</td> <td>250</td> <td>350</td> <td>400</td> <td>420~450</td> <td>500</td> </tr> <tr> <td>Z-25°C / Z+20°C</td> <td>3</td> <td>3</td> <td>3</td> <td>5</td> <td>5</td> <td>6</td> <td>6</td> </tr> <tr> <td>Z-40°C / Z+20°C</td> <td>6</td> <td>6</td> <td>6</td> <td>6</td> <td>6</td> <td>8</td> <td>—</td> </tr> </table>		Z (120Hz)	WV								160	200	250	350	400	420~450	500	Z-25°C / Z+20°C	3	3	3	5	5	6	6	Z-40°C / Z+20°C	6	6	6	6	6	8	—
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	Z-25°C / Z+20°C	3	3	3	5	5	6	6																										
Z-40°C / Z+20°C	6	6	6	6	6	8	—																											
Endurance	After applying rated voltage with rated ripple current for 5000 hours at 105°C , the capacitors shall meet the following requirements. <table border="1"> <tr> <td>Capacitance change</td> <td>Within ± 20% of initial value</td> </tr> <tr> <td>D.F. (tan δ)</td> <td>Not more than 200% of specified value</td> </tr> <tr> <td>Leakage current</td> <td>initial specified value or less</td> </tr> </table>		Capacitance change	Within ± 20% of initial value	D.F. (tan δ)	Not more than 200% of specified value	Leakage current	initial specified value or less																										
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Shelf Life	After placed at 105°C without voltage applied for 1000 hours,the capacitors shall meet the same requirement as Endurance.																																	

Dimensions [mm]



ΦD	8.0	10	12.5	13	16	18	22
P	3.5	5.0	5.0	5.0	7.5	7.5	10.0
Φd	0.6	0.6	0.6	0.6	0.8	0.8	0.8
a	1.5(2.0)	1.5(2.0)	2.0(2.5)	2.0	2.0	2.0	2.0

Notes : () : L ≥ 30mm

Multiplier for Ripple Current

Freq. (Hz)	50,60	120	300	1K	10K~100K
160~450V	0.80	1.00	1.20	1.40	1.60
500V	0.75	1.00	1.20	1.35	1.50

■ STANDARD RATINGS

Rated Voltage (Surge Voltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ	Ripple current (mA/rms105°C) (120Hz)	Rated Voltage (Surge Voltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ	Ripple current (mA/rms105°C) (120Hz)	
160 (200)	22	10x20	0.15	160	350 (400)	68	16x32	0.2	400	
	33	10x20	0.15	210		82	18x25	0.2	380	
	47	13x20	0.15	260		100	12.5x50	0.2	400	
	68	13x25	0.15	360		100	12.5x55	0.2	460	
	200 (250)	68	16x20	0.15	430	400 (450)	100	18x32	0.2	530
		100	16x25	0.15	475		4.7	※10x16	0.24	60
		150	18x20	0.15	465		6.8	※10x16	0.24	72
		220	16x32	0.15	650		10	※10x16	0.24	85
			18x25	0.15	625		10	10x20	0.24	100
		330	16x32	0.15	750		15	8x35	0.24	110
18x25			0.15	725	22		8x40	0.24	140	
330		18x32	0.15	960			13x20	0.24	145	
		13x20	0.15	210			13x25	0.24	170	
250 (300)		10	※10x16	0.15	80		16x20	0.24	200	
	15	※10x16	0.15	100	8x45	0.24	165			
	22	10x20	0.15	160	10x35	0.24	165			
	33	※10x20	0.15	160	33	8x50	0.24	190		
		13x20	0.15	210		10x40	0.24	190		
	47	13x20	0.15	260		16x25	0.24	230		
	68	13x25	0.15	360	18x20	0.24	250			
		16x20	0.15	430	10x45	0.24	220			
	100	16x25	0.15	475	39	10x50	0.24	255		
		18x20	0.15	465	47	12.5x40	0.24	255		
150	18x25	0.15	650	16x25		0.24	255			
	220	18x32	0.15	780		16x32	0.24	300		
350 (400)	10	10x20	0.15	100		18x25	0.24	325		
	22	8x30	0.15	130	56	12.5x45	0.24	300		
		※10x25	0.15	145	68	12.5x50	0.24	350		
	13x20	0.15	160	16x30		0.24	340			
	27	8x32	0.15	150		16x32	0.24	350		
	33	8x35	0.15	170	18x36	0.24	420			
		13x20	0.15	210	82	12.5x55	0.24	400		
	39	8x42	0.15	200	100	18x32	0.24	465		
		8x45	0.15	220		18x40	0.24	545		
	47	13x25	0.15	270	150	18x40	0.24	525		
16x20		0.15	275	22x40		0.24	650			
420 (470)	56	10x42	0.15	300	15	8x35	0.24	105		
	68	10x45	0.15	330	22	8x40	0.24	135		
		16x25	0.15	380	27	8x45	0.24	155		
	18x20	0.15	375	10x35		0.24	155			
	82	10x50	0.15	390	33	8x50	0.24	185		
		12.5x42	0.15	440		10x40	0.24	185		
	100	16x32	0.15	520	39	10x45	0.24	215		
		18x25	0.15	500		12.5x35	0.24	215		
	120	12.5x45	0.15	490	47	10x50	0.24	245		
		12.5x50	0.15	560		12.5x40	0.24	245		
150	18x32	0.15	650	56	12.5x45	0.24	290			
	18x40	0.15	820	68	12.5x50	0.24	335			
350 (400)	10	10x20	0.20	100	82	12.5x55	0.24	385		
	15	8x35	0.20	120	3.3	10x20	0.24	60		
		8x40	0.20	150	4.7	13x20	0.24	80		
	22	13x20	0.20	160	6.8	※10x20	0.24	90		
		8x45	0.20	170	10	13x20	0.24	110		
	33	8x50	0.20	200		13x25	0.24	110		
		13x25	0.20	230	12	8x35	0.24	110		
	39	16x20	0.20	250	15	8x40	0.24	130		
		10x45	0.20	235		22	8x45	0.24	165	
	47	10x50	0.20	270	10x35		0.24	165		
16x25		0.20	300	13x20	0.24		145			
18x20		0.20	315	16x25	0.24		190			
56	12.5x40	0.20	300	18x20	0.24		200			
68	12.5x45	0.20	350	27	8x52	0.24	195			

※Down Size : 3000Hrs

■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (mA/rms105°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (mA/rms105°C) (120Hz)
450 (500)	27	10x40	0.24	195	450 (500)	100	22x40	0.24	580
	33	10x45	0.24	230	500 (550)	4.7	10x20	0.24	70
		12.5x35	0.24	230		6.8	13x20	0.24	100
		16x25	0.24	235		10	12.5x25	0.24	130
		16x32	0.24	275		22	16x25	0.24	225
		18x25	0.24	280			18x20	0.24	220
	39	10x50	0.24	265		33	16x32	0.24	305
		12.5x40	0.24	265			18x25	0.24	295
	47	10x52	0.24	295		47	16x36	0.24	430
		12.5x45	0.24	310			18x32	0.24	435
		16x26	0.24	270		68	18x32	0.24	530
		18x32	0.24	340			18x36	0.24	555
	56	12.5x50	0.24	355		82	18x40	0.24	640
		12.5x55	0.24	410			22x35	0.24	675
	68	18x25	0.24	335		100	22x35	0.24	745
		18x32	0.24	395		120	22x40	0.24	865
18x40		0.24	460	150		22x45	0.24	1020	

※Down Size : 3000Hrs

单击下面可查看定价，库存，交付和生命周期等信息

[>>Teapo \(智宝\)](#)