

SQ

High Ripple Series

- Endurance: 105°C 2000 hours
- Recommended Applications : AV(TV, Video, Audio); Monitor/Computer; OA/HA/Communication; Converter/Inverter; Energy saving lamp; PFC circuit; SMPS; Ballast; Adapter
- Corresponding product to RoHS



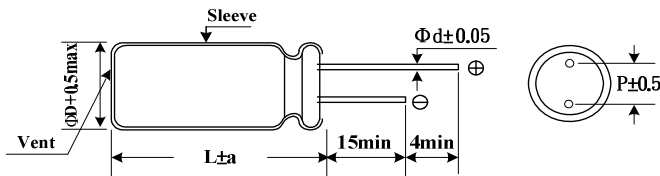
High Ripple



SPECIFICATIONS

Item	Characteristics						
Category Temperature Range	-40~+105°C						
Rated Voltage Range	160 ~ 450VDC						
Rated Capacitance Range	2.2 ~ 220 µF						
Capacitance Tolerance	± 20 % (120Hz , 20°C)						
Leakage Current (20°C)	I=0.03CV +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)	WV	160	200	250	350	400	420~450
	tan δ	0.15	0.15	0.15	0.24	0.24	0.24
Low Temperature Stability Impedance Ratio (MAX)	Z (120Hz)	160	200	250	350	400	420~450
	Z(-25°C) / Z(20°C)	3	3	3	5	5	6
	Z(-40°C) / Z(20°C)	6	6	6	6	6	8
Endurance	After applying rated voltage with rated ripple current for 2000 hours at 105°C, the capacitors shall meet the following requirements.						
	Capacitance change	Within ± 20% of initial value					
	D.F. (tan δ)	Not more than 200% of specified value					
Shelf Life	After leaving capacitors under no load at 105°C for 1000 hours, the capacitors shall meet the same requirement as Endurance.						

Dimensions [mm]



ΦD	8	10	12.5	13	16	18
P	3.5	5	5.0	5	7.5	7.5
Φd	0.6	0.6	0.6	0.6	0.8	0.8
a	1.5(2.0)	1.5(2.0)	2.0(2.5)	2.0	2.0	2.0

Notes : ():L ≥ 30mm

Multiplier for Ripple Current

Freq. (Hz)		50	120	1K	10K	100K
Coefficient	< 33 µF	0.80	1.00	1.36	1.54	1.80
	≥ 33 µF	0.85	1.00	1.28	1.35	1.40

■ STANDARD RATINGS

Rated Voltage (Surge Voltage) (V)	Cap (μF)	Case size Φ DxL(mm)	Ripple current (mA/rms105°C) (120Hz)	Ripple current (mA/rms105°C) (100KHz)	Rated Voltage (Surge Voltage) (V)	Cap (μF)	Case size Φ DxL(mm)	Ripple current (mA/rms105°C) (120Hz)	Ripple current (mA/rms105°C) (100KHz)	
160(200)	22	10x20	195	350	400(450)	39	8x52	320	448	
	33	13x20	315	450			10x40	320	448	
	47	13x25	420	600		47	10x45	355	500	
	68	13x25	420	600			12.5x40	365	510	
	100	16x25	665	950			16x25	350	490	
	220	18x36	980	1400			18x32	600	860	
200(250)	22	10x20	195	350		56	10x50	405	566	
	33	13x20	365	520			12.5x40	405	566	
	47	13x25	420	600			68	10x55	460	640
	68	16x25	665	950				12.5x45	460	640
	100	16x32	840	1200				16x30	510	714
250(300)	10	10x20	120	220		82	16x32	550	770	
	22	8x30	200	360			12.5x50	525	735	
		13x25	165	300			18x32	620	868	
	27	8x35	215	380			120	18x32	680	952
	33	8x35	240	336	18x36			800	1120	
		13x25	280	400	150	18x36	800	1120		
	39	8x40	260	360		420(470)	15	8x35	150	270
		10x30	275	500	22		8x40	195	350	
	47	8x45	310	558	27		8x45	220	396	
		16x25	505	720			10x35	220	396	
	56	10x40	350	490	33		8x50	285	400	
		68	10x40	400			560	10x40	285	400
	82		16x32	570	810		39	10x42	310	430
		100	10x45	450	630			12.5x35	320	448
	150		10x50	525	940		47	10x45	350	490
18x36		735	1050	12.5x40	350			490		
350(400)	2.2	10x16	30	50	56		10x52	390	545	
	3.3	10x16	35	60			12.5x42	390	545	
	4.7	10x20	45	78	68		12.5x45	450	630	
	10	13x20	75	130			82	12.5x52	535	750
	15	8x30	140	250	450(500)		2.2	10x16	60	110
		22	8x35	180		324	3.3	10x20	75	135
	16x25		115	205		4.7	13x20	105	190	
	27	8x40	210	380		10	13x25	140	250	
		33	8x42	240		336	12	8x30	115	210
	16x32		180	255		15	8x35	135	240	
	39	10x40	280	390			22	8x42	190	340
		47	10x45	325		455		10x30	190	340
	56		18x32	225		320		13x20	180	324
		10x50	380	530		13x25		200	360	
	68	12.5x40	430	602		16x32		265	480	
82		12.5x45	500	700		27	8x45	210	378	
	100	12.5x50	630	880			10x35	210	378	
18x45		370	530	33		8x52	290	406		
400(450)	2.2	10x16	80			140	10x42	290	406	
	3.3	10x20	110		195	16x25	350	500		
	4.7	10x25	120		220	18x36	455	650		
	15	8x35	170		306	39	10x45	320	448	
		10	10x16	135	243		12.5x40	330	460	
	13x25		200	360	47	10x50	360	500		
		22	8x40	220		395	12.5x42	370	666	
	13x20		240	432	56	16x25	380	532		
	13x25	265	477	68		12.5x45	415	580		
	16x25	315	570		82	12.5*50	475	665		
	27	8x45	250	350		18x25	470	658		
		10x35	250	350	100	12.5x55	535	750		
	33	8x50	295	410		18x36	520	720		
		10x40	295	410	120	18x40	620	860		
	16x32	490	700	18x40		650	910			
					18x45	720	1000			

单击下面可查看定价，库存，交付和生命周期等信息

[>>Teapo \(智宝\)](#)