

## SC Series

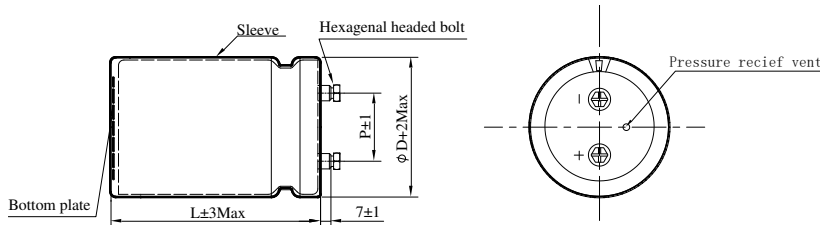
- High ripple, suitable to use in industrial power supplies for inverter circuitry, etc



### ◆ SPECIFICATIONS

Item	Performance Characteristics			
Category Temperature Range	-25 ~ +85°C			
Working Voltage Range	200 ~ 600Vdc			
Capacitance Range	820 ~ 33,000µF			
Capacitance Tolerance	±20% (at 25°C and 120Hz)			
Dissipation Factor (tanδ) (at 25°C, 120Hz)	Rated Voltage (V)	200 ~ 250	350 ~ 450	500 ~ 600
	tanδ(Max)	0.20	0.20	0.25
Leakage Current	I=0.01CV or 5000µA, whichever is smaller I : Leakage current (µA) C : Rated capacitance (µF) V : Rated voltage (V) Impress the rated voltage for 5 minutes			
Endurance	The following specifications shall be satisfied when the capacitors are restored to 25°C after subjected to DC voltage with the rated ripple current is applied for 2,000 hours at 85°C.			
	Capacitance change	≅ ±15% of the initial value		
	Dissipation factor(tanδ)	≅ 175% of the specified value		
Shelf Life	The following requirements shall be satisfied when the capacitor are restored to 25°C after the rated voltage applied for 500 hours at 85°C without voltage applied.			
	Capacitance change	≅ ±15% of the initial value		
	Dissipation factor(tanδ)	≅ 175% of the specified value		
Leakage current	≅ specified value			
	Others			
Conforms to JIS-C-5101-4 (1998), characteristic W				

### ◆ DIMENSIONS (mm)



ΦD	51	64	76	90
P±1	22.4	28.0	31.5	31.5

### ◆ PART NUMBER SYSTEM( Example : 450V 8200µF )

S C 2 W 8 2 2 M L S 9 0 F 0

Special Request

Size code (90F0:90×150)

Terminal code

Capacitance tolerance code (M:±20%)

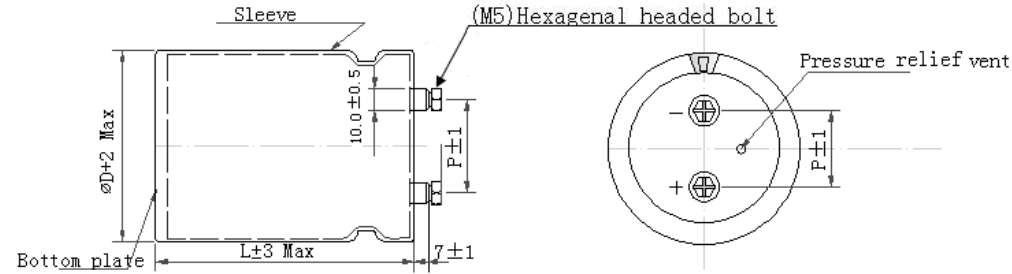
Capacitance code (8200µF)

Voltage code (450V)

Series code (SC)

## Aluminum Electrolytic Capacitor

<b>Customer</b>	<b>Digi-Key</b>	<b>SERIES</b>	<b>SC</b>	<b>NO.:</b>	<b>PUBLISH DATE</b>	<b>2022-03-25</b>
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No.	CHINSAN Part No.	Customer Part No.	Capacitance (uF)	Tolerance On rated Capacitance (%)	Working Voltage (Vdc)	Surge Voltage (Vdc)	Category Temp Range (°C)	Tanδ @ 25°C (120Hz) (Max)	Leakage Current (uA) (2 min.)	Rated Ripple Current (mA rms) @ 85°C 120Hz	Rated Ripple Current (mA rms) @ 85°C 100kHz	ESR @25°C (mΩ max/ 120Hz)	Impedance @20°C (mΩ max/ 100kHz)	Endurance @ 85°C (Hours)	Dimensions (mm)					Appearance Drawing No
															D	L	a	d	P	
1	SC2W562MLS90A0	/	5600 μF	±20%	450 V	/	-25~+85	/	/	13900	/	/	/	2000	90	100	/	/	31.5	---
2	SC2W682MLS76E3	/	6800 μF	±20%	450 V	/	-25~+85	/	/	16000	/	/	/	2000	76	143	/	/	31.5	---

※Test leakage current before testing dissipation factor and capacitance during the electric characteristic test.

REMARKS:	APPROVED BY	CHECKED BY	PREPARED BY
Sleeve Color: Black.	张洪斌	曾爱娥	梁慧妍