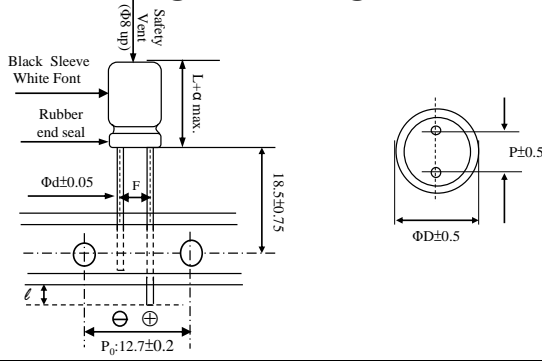


FOR APPROVAL

DIMENSIONS(mm)

ΦD	10
L	13
α	1.0
P	5.0
F ^{+0.8} _{-0.2}	5.0
ℓ	1.0
Φd	0.6



Customer: Ozdisan	Electrolytic Capacitors SH Series	Su'scon Code
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Electric Characteristics:												
Ozdisan	Su'scon	Cap. (uF)	Cap. Tol. (%)	Rate Volt. (V-DC)	Surge Volt. (V-DC)	Oper. Temp. (°C)	Nominal Case Size D*L(mm)	Leakage Current Max (uA)	D.F. MAX (%)	R.C 100KHz (mA rms)	IMP 100KHz at 25°C (Ω)Max	Load Life (hours)
P/N	P/N											
	SH025M221G13PE99P50A	220	±20	25	32	125	10*13	55	14	800	0.170	5000

REMARKS:

- Leakage Current Test:** 10V ~100V at 20°C for 2 minutes ;160V ~450V at 20°C for 3 minutes.
- Operating temperature:** 10V~250V -40°C~ +125°C ;350V~450V -25°C~ +125°C ;
- Dissipation Factor Test:** at 20°C, 120 Hz.
- Capacitance Test:** at 20°C, 120 Hz.
- Ripple Current Test:** at 125°C, 100KHz ;
- Load Life:** 5000hours,subjected to DC voltage with the rated ripple current is applied at 125°C.

Capacitance Change: Within±25% of initial value;
tanδ: 200% or less of initial specified value;
 According to the specified value which stated in the catalogue to do the life testing;

Leakage Current: Initial specified value or less;

- Shelf Life:** The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours 125°C without voltage applide. Before the measurement, the capacitor shall be preconditioned by applying voltage according to them 4.1 of JIS C5101-4.

Capacitance Change : Within±25% of initial value;
tanδ: 200% or less of initial specified value;
Leakage Current: Initial specified value or less.

- when have characteristic requested:** Load life & shelf life test and etc. , judgment standard reference to our catalogue.

●SPECIFICATION

Voltage Range 工作電壓範圍	10V~100V	160V~450V										
Leakage Current 洩漏電流	$I \leq 0.01CV$ or 3(uA), Which is greater. (After 2 minutes application of working voltage)	$I \leq 0.03CV + 20(uA)$. (After 3 minutes application of working voltage)										
Dissipation Factor 散逸因素 (損失角) (tan δ)	Measurement Frequency: 120Hz. Temperature: 20°C											
	Rate Voltage(V)	10	16	25	35	50	63-80	100	160	200-250	350-450	
	tanδ (MAX)	0.20	0.16	0.14	0.12	0.10	0.10	0.10	0.15	0.20	0.24	
Standards 參照標準	JIS C-5101-4(IEC 60384)											

●RIPPLE CURRENT COEFFICIENTS

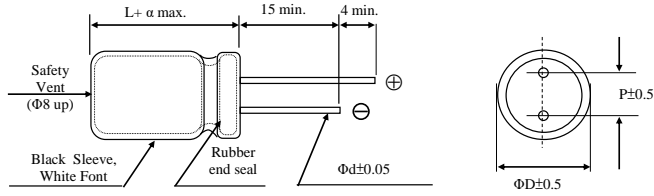
Frequency coefficient of allowable ripple current					
Rated Voltage(V)	Capacitance(uF)	Frequency(Hz)			
		50	120	1k	≥10k
≤ 100	<100	0.75	1.00	1.57	2.00
	100~470	0.80	1.00	1.34	1.50
	>470	0.85	1.00	1.10	1.15
≥ 160	1~100	0.85	1.00	1.40	1.50

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.
 Production date:2023.04.17

FOR APPROVAL

DIMENSIONS(mm)

ΦD	10
L	13
α	1.0
P	5.0
Φd	0.6



Customer: Ozdisan	Electrolytic Capacitors SH Series	Su'scon Code
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Electric Characteristics:											
Ozdisan	Su'scon	Cap. (uF)	Cap. Tol. (%)	Rate Volt. (V-DC)	Surge Volt. (V-DC)	Oper. Temp. (°C)	Nominal Case Size D*L(mm)	Leakage Current Max (uA)	D.F. MAX (%)	R.C 120 Hz (mA rms)	Load Life (hours)
P/N	P/N										
	SH025M331G13PE99S00A	330	±20	25	32	125	10*13	82	14	480	3000

REMARKS:

1. Leakage Current Test:	10V ~100V at 20°C for 2 minutes ;160V ~450V at 20°C for 3 minutes.
2. Operating temperature:	10V~250V -40°C~ +125°C ;350V~450V -25°C~ +125°C ;
3. Dissipation Factor Test:	at 20°C, 120 Hz.
4. Capacitance Test:	at 20°C, 120 Hz.
5. Ripple Current Test:	at 125°C, 120 Hz ;
6. Load Life:	3000hours,subjected to DC voltage with the rated ripple current is applied at 125°C.
Capacitance Change:	Within±25% of initial value;
tanδ:	200% or less of initial specified value; According to the specified value which stated in the catalogue to do the life testing;
Leakage Current:	Initial specified value or less;
7. Shelf Life:	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours 125°C without voltage applide. Before the measurement, the capacitor shall be preconditioned by applying voltage according to them 4.1 of JIS C5101-4.
Capacitance Change :	Within±25% of initial value;
tanδ:	200% or less of initial specified value;
Leakage Current:	Initial specified value or less.
8. when have characteristic requested:	Load life & shelf life test and etc. , judgment standard reference to our catalogue.

●SPECIFICATION

Voltage Range 工作電壓範圍	10V~100V	160V~450V									
Leakage Current 洩漏電流	$I \leq 0.01CV$ or 3(uA), Which is greater. (After 2 minutes application of working voltage)	$I \leq 0.03CV + 20(uA)$. (After 3 minutes application of working voltage)									
Dissipation Factor 散逸因素 (損失角) (tan δ)	Measurement Frequency: 120Hz. Temperature: 20°C										
	Rate Voltage(V)	10	16	25	35	50	63~80	100	160	200~250	350~450
	tanδ (MAX)	0.20	0.16	0.14	0.12	0.10	0.10	0.10	0.15	0.20	0.24
Standards 參照標準	JIS C-5101-4(IEC 60384)										

●RIPPLE CURRENT COEFFICIENTS

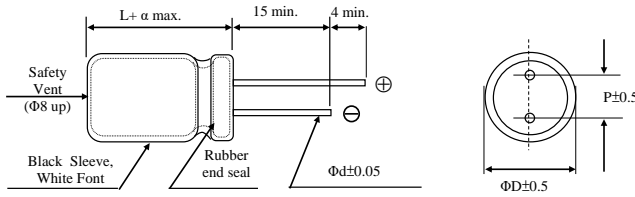
Frequency coefficient of allowable ripple current						
Rated Voltage(V)	Capacitance(uF)	Frequency(Hz)				
		50	120	1k	≥ 10k	
≤ 100	<100	0.75	1.00	1.57	2.00	
	100~470	0.80	1.00	1.34	1.50	
	>470	0.85	1.00	1.10	1.15	
≥ 160	1~100	0.85	1.00	1.40	1.50	

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.
 Production date:2023.04.17

FOR APPROVAL

DIMENSIONS(mm)

ΦD	16
L	16
α	2.0
P	7.5
Φd	0.8



Customer: Ozdisan	Electrolytic Capacitors SH Series	Su'scon Code
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Electric Characteristics:												
Ozdisan	Su'scon	Cap.	Cap.	Rate	Surge	Oper.	Nominal	Leakage	D.F.	R.C	IMP	Load
P/N	P/N	(uF)	Tol.	Volt.	Volt.	Temp.	Case Size	Current	MAX	120 Hz	100KHz	Life
	SH025M102J16PE99S00A	1000	±20	25	32	125	16*16	250	14	900	0.040	3000
			(%)	(V-DC)	(V-DC)	(°C)	D*L(mm)	Max (uA)	(%)	(mA rms)	at 25°C (Q)Max	(hours)

REMARKS:

1. Leakage Current Test:	10V ~100V at 20°C for 2 minutes ;160V ~450V at 20°C for 3 minutes.
2. Operating temperature:	10V~250V -40°C~ +125°C ;350V~450V -25°C~ +125°C ;
3. Dissipation Factor Test:	at 20°C, 120 Hz.
4. Capacitance Test:	at 20°C, 120 Hz.
5. Ripple Current Test:	at 125°C, 120 Hz ;
6. Load Life:	3000hours,subjected to DC voltage with the rated ripple current is applied at 125°C.
Capacitance Change:	Within±25% of initial value;
tanδ:	200% or less of initial specified value;
Leakage Current:	According to the specified value which stated in the catalogue to do the life testing;
7. Shelf Life:	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours 125°C without voltage applide. Before the measurement, the capacitor shall be preconditioned by applying voltage according to them 4.1 of JIS C5101-4.
Capacitance Change :	Within±25% of initial value;
tanδ:	200% or less of initial specified value;
Leakage Current:	Initial specified value or less.
8. when have characteristic requested:	Load life & shelf life test and etc. , judgment standard reference to our catalogue.

●SPECIFICATION

Voltage Range 工作電壓範圍	10V~100V	160V~450V										
Leakage Current 洩漏電流	$I \leq 0.01CV$ or 3(uA), Which is greater. (After 2 minutes application of working voltage)	$I \leq 0.03CV + 20(uA)$. (After 3 minutes application of working voltage)										
Dissipation Factor 散逸因素 (損失角) (tan δ)	Measurement Frequency: 120Hz. Temperature: 20°C											
	Rate Voltage(V)	10	16	25	35	50	63~80	100	160	200~250	350~450	
	tanδ (MAX)	0.20	0.16	0.14	0.12	0.10	0.10	0.10	0.15	0.20	0.24	
Standards 參照標準	JIS C-5101-4(IEC 60384)											

●RIPPLE CURRENT COEFFICIENTS

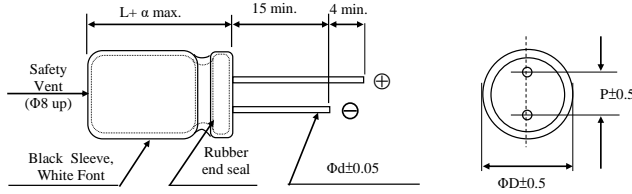
Frequency coefficient of allowable ripple current					
Rated Voltage(V)	Capacitance(uF)	Frequency(Hz)			
		50	120	1k	≥ 10k
≤ 100	<100	0.75	1.00	1.57	2.00
	100~470	0.80	1.00	1.34	1.50
	>470	0.85	1.00	1.10	1.15
≥ 160	1~100	0.85	1.00	1.40	1.50

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.
 Production date:2023.04.17

FOR APPROVAL

DIMENSIONS(mm)

ΦD	16
L	16
α	0.5
P	7.5
Φd	0.8



Customer: Ozdisan	Electrolytic Capacitors SH Series	Su'scon Code
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Electric Characteristics:												
Ozdisan	Su'scon	Cap.	Cap.	Rate	Surge	Oper.	Nominal	Leakage	D.F.	R.C	IMP	Load
P/N	P/N	(uF)	Tol.	Volt.	Volt.	Temp.	Case Size	Current	MAX	120 Hz	100KHz	Life
	SH025M152J16CE99S00A	1500	±20	25	32	125	16*16	375	14	980	0.075	2000
			(%)	(V-DC)	(V-DC)	(°C)	D*L(mm)	Max (uA)	(%)	(mA rms)	at 25°C (Ω)Max	(hours)

REMARKS:

1. Leakage Current Test:	10V ~100V at 20°C for 2 minutes ;160V ~450V at 20°C for 3 minutes.
2. Operating temperature:	10V~250V -40°C~ +125°C ;350V~450V -25°C~ +125°C ;
3. Dissipation Factor Test:	at 20°C, 120 Hz.
4. Capacitance Test:	at 20°C, 120 Hz.
5. Ripple Current Test:	at 125°C, 120 Hz ;
6. Load Life:	2000hours,subjected to DC voltage with the rated ripple current is applied at 125°C.
Capacitance Change:	Within±25% of initial value;
tanδ:	200% or less of initial specified value;
	According to the specified value which stated in the catalogue to do the life testing;
Leakage Current:	Initial specified value or less;
7. Shelf Life:	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours 125°C without voltage applide. Before the measurement, the capacitor shall be preconditioned by applying voltage according to them 4.1 of JIS C5101-4.
Capacitance Change :	Within±25% of initial value;
tanδ:	200% or less of initial specified value;
Leakage Current:	Initial specified value or less.
8. when have characteristic requested:	Load life & shelf life test and etc. , judgment standard reference to our catalogue.

●SPECIFICATION

Voltage Range 工作電壓範圍	10V~100V	160V~450V										
Leakage Current 洩漏電流	$I \leq 0.01CV$ or 3(uA), Which is greater. (After 2 minutes application of working voltage)	$I \leq 0.03CV + 20(uA)$. (After 3 minutes application of working voltage)										
Dissipation Factor 散逸因素 (損失角) (tan δ)	Measurement Frequency: 120Hz. Temperature: 20°C											
	Rate Voltage(V)	10	16	25	35	50	63~80	100	160	200~250	350~450	
	tanδ (MAX)	0.20	0.16	0.14	0.12	0.10	0.10	0.10	0.15	0.20	0.24	
Standards 參照標準	JIS C-5101-4(IEC 60384)											

●RIPPLE CURRENT COEFFICIENTS

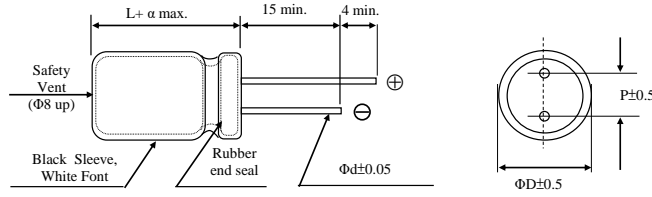
Frequency coefficient of allowable ripple current						
Rated Voltage(V)	Capacitance(uF)	Frequency(Hz)				
		50	120	1k	≥10k	
≤ 100	<100	0.75	1.00	1.57	2.00	
	100~470	0.80	1.00	1.34	1.50	
	>470	0.85	1.00	1.10	1.15	
≥ 160	1~100	0.85	1.00	1.40	1.50	

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.
 Production date:2023.04.17

FOR APPROVAL

DIMENSIONS(mm)

ΦD	16
L	16
α	2.0
P	7.5
Φd	0.8



Customer: Ozdisan	Electrolytic Capacitors SH Series	Su'scon Code
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Electric Characteristics:												
Ozdisan	Su'scon	Cap.	Cap.	Rate	Surge	Oper.	Nominal	Leakage	D.F.	R.C	Water	Load
P/N	P/N	(uF)	Tol.	Volt.	Volt.	Temp.	Case Size	Current	MAX	120 Hz	Rate	Life
	SH025M152J16PE99S00A	1500	±20	25	32	125	16*16	375	14	980	≤1.0	3000

REMARKS:

1. Leakage Current Test:	10V ~100V at 20°C for 2 minutes ;160V ~450V at 20°C for 3 minutes.
2. Operating temperature:	10V~250V -40°C~ +125°C ;350V~450V -25°C~ +125°C ;
3. Dissipation Factor Test:	at 20°C, 120 Hz.
4. Capacitance Test:	at 20°C, 120 Hz.
5. Ripple Current Test:	at 125°C, 120 Hz ;
6. Load Life:	3000hours,subjected to DC voltage with the rated ripple current is applied at 125°C.
Capacitance Change:	Within±25% of initial value;
tanδ:	200% or less of initial specified value;
Leakage Current:	Initial specified value or less;
7. Shelf Life:	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours 125°C without voltage applide. Before the measurement, the capacitor shall be preconditioned by applying voltage according to them 4.1 of JIS C5101-4.
Capacitance Change :	Within±25% of initial value;
tanδ:	200% or less of initial specified value;
Leakage Current:	Initial specified value or less.
8. when have characteristic requested:	Load life & shelf life test and etc. , judgment standard reference to our catalogue.

●SPECIFICATION

Voltage Range 工作電壓範圍	10V~100V	160V~450V										
Leakage Current 洩漏電流	I ≤ 0.01CV or 3(uA), Which is greater. (After 2 minutes application of working voltage)	I ≤ 0.03CV + 20(uA). (After 3 minutes application of working voltage)										
Dissipation Factor 散逸因素 (損失角) (tan δ)	Measurement Frequency: 120Hz. Temperature: 20°C											
	Rate Voltage(V)	10	16	25	35	50	63~80	100	160	200~250	350~450	
	tanδ (MAX)	0.20	0.16	0.14	0.12	0.10	0.10	0.10	0.15	0.20	0.24	
Standards 參照標準	JIS C-5101-4(IEC 60384)											

●RIPPLE CURRENT COEFFICIENTS

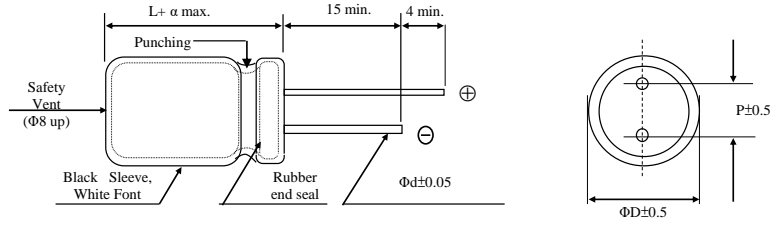
Frequency coefficient of allowable ripple current					
Rated Voltage(V)	Capacitance(uF)	Frequency(Hz)			
		50	120	1k	≥10k
≤ 100	<100	0.75	1.00	1.57	2.00
	100~470	0.80	1.00	1.34	1.50
	>470	0.85	1.00	1.10	1.15
≥ 160	1~100	0.85	1.00	1.40	1.50

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.
 Production date:2023.04.17

FOR APPROVAL

DIMENSIONS(mm)

ΦD	8
L	12
α	1.0
P	3.5
Φd	0.5



Customer: Ozdisan	Electrolytic Capacitors SH Series	Su'scon Code
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Electric Characteristics:												
Ozdisan	Su'scon	Cap. (uF)	Cap. Tol. (%)	Rate Volt. (V-DC)	Surge Volt. (V-DC)	Oper. Temp. (°C)	Nominal Case Size D*L(mm)	Leakage Current Max (uA)	D.F. MAX (%)	R.C 120 Hz (mA rms)	Water Rate (%)	Load Life (hours)
P/N	P/N											
	SH035M221F12PE99S00A	220	±20	35	44	125	8*12	77	12	180	≤1.0	2000

REMARKS:

1. Leakage Current Test:	10V ~100V at 20°C for 2 minutes ;160V ~450V at 20°C for 3 minutes.
2. Operating temperature:	10V~250V -40°C~ +125°C ;350V~450V -25°C~ +125°C ;
3. Dissipation Factor Test:	at 20°C, 120 Hz.
4. Capacitance Test:	at 20°C, 120 Hz.
5. Ripple Current Test:	at 125°C, 120 Hz ;
6. Load Life:	2000hours,subjected to DC voltage with the rated ripple current is applied at 125°C.
Capacitance Change:	Within±25% of initial value;
tanδ:	200% or less of initial specified value;
Leakage Current:	Initial specified value or less;
7. Shelf Life:	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours 125°C without voltage applide. Before the measurement, the capacitor shall be preconditioned by applying voltage according to them 4.1 of JIS C5101-4.
Capacitance Change :	Within±25% of initial value;
tanδ:	200% or less of initial specified value;
Leakage Current:	Initial specified value or less.
8. when have characteristic requested:	Load life & shelf life test and etc. , judgment standard reference to our catalogue.

●SPECIFICATION

Voltage Range 工作電壓範圍	10V~100V	160V~450V										
Leakage Current 洩漏電流	$I \leq 0.01CV$ or 3(uA), Which is greater. (After 2 minutes application of working voltage)	$I \leq 0.03CV + 20(uA)$. (After 3 minutes application of working voltage)										
Dissipation Factor 散逸因素 (損失角) (tan δ)	Measurement Frequency: 120Hz. Temperature: 20°C											
	Rate Voltage(V)	10	16	25	35	50	63~80	100	160	200~250	350~450	
	tanδ (MAX)	0.20	0.16	0.14	0.12	0.10	0.10	0.10	0.15	0.20	0.24	
Standards 參照標準	JIS C-5101-4(IEC 60384)											

●RIPPLE CURRENT COEFFICIENTS

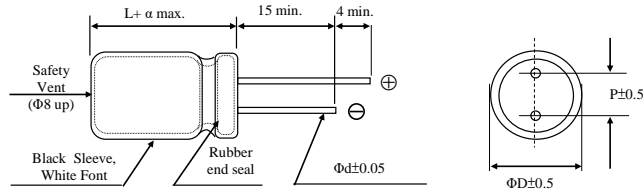
Frequency coefficient of allowable ripple current					
Rated Voltage(V)	Capacitance(uF)	Frequency(Hz)			
		50	120	1k	≥10k
≤ 100	<100	0.75	1.00	1.57	2.00
	100~470	0.80	1.00	1.34	1.50
	>470	0.85	1.00	1.10	1.15
≥ 160	1~100	0.85	1.00	1.40	1.50

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.
 Production date:2023.04.17

FOR APPROVAL

DIMENSIONS(mm)

ΦD	10
L	20
α	2.0
P	5.0
Φd	0.6



Customer: Ozdisan	Electrolytic Capacitors SH Series	Su'scon Code
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Electric Characteristics:												
Ozdisan	Su'scon	Cap.	Cap.	Rate	Surge	Oper.	Nominal	Leakage	D.F.	R.C	IMP	Load
P/N	P/N	(uF)	Tol.	Volt.	Volt.	Temp.	Case Size	Current	MAX	100KHz	100KHz	Life
	SH035M471G20PE99S00A	470	±20	35	44	125	10*20	164	12	1130	0.057	3000
			(%)	(V-DC)	(V-DC)	(°C)	D*L(mm)	Max (uA)	(%)	(mA rms)	at 25°C (Ω)Max	(hours)

REMARKS:

- Leakage Current Test:** 10V ~100V at 20°C for 2 minutes ;160V ~450V at 20°C for 3 minutes.
- Operating temperature:** 10V~250V -40°C~ +125°C ;350V~450V -25°C~ +125°C ;
- Dissipation Factor Test:** at 20°C, 120 Hz.
- Capacitance Test:** at 20°C, 120 Hz.
- Ripple Current Test:** at 125°C, 100K Hz ;
- Load Life:** 3000hours,subjected to DC voltage with the rated ripple current is applied at 125°C.

Capacitance Change: Within±25% of initial value;
tanδ: 200% or less of initial specified value;
 According to the specified value which stated in the catalogue to do the life testing;

Leakage Current: Initial specified value or less;

7. Shelf Life: The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours 125°C without voltage applide. Before the measurement, the capacitor shall be preconditioned by applying voltage according to them 4.1 of JIS C5101-4.

Capacitance Change : Within±25% of initial value;
tanδ: 200% or less of initial specified value;
Leakage Current: Initial specified value or less.

8. when have characteristic requested: Load life & shelf life test and etc. , judgment standard reference to our catalogue.

●SPECIFICATION

Voltage Range 工作電壓範圍	10V~100V	160V~450V									
Leakage Current 洩漏電流	$I \leq 0.01CV$ or $3(uA)$, Which is greater. (After 2 minutes application of working voltage)	$I \leq 0.03CV + 20(uA)$. (After 3 minutes application of working voltage)									
Dissipation Factor 散逸因素 (損失角) (tan δ)	Measurement Frequency: 120Hz. Temperature: 20°C										
	Rate Voltage(V)	10	16	25	35	50	63~80	100	160	200~250	350~450
	tanδ (MAX)	0.20	0.16	0.14	0.12	0.10	0.10	0.10	0.15	0.20	0.24
	When nominal capacitance over 1000μF, tanδ shall be added 0.02 to the listed value with increase of every 1000μF.										
Standards 參照標準	JIS C-5101-4(IEC 60384)										

●RIPPLE CURRENT COEFFICIENTS

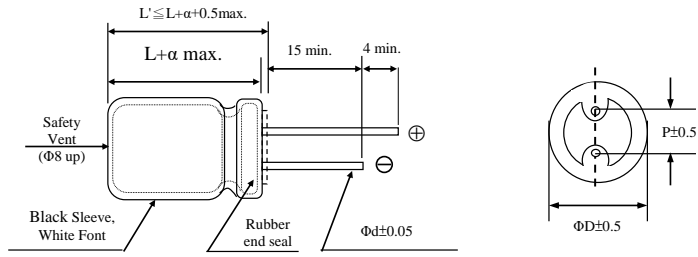
Frequency coefficient of allowable ripple current					
Rated Voltage(V)	Capacitance(uF)	Frequency(Hz)			
		50	120	1k	≥10k
≤100	<100	0.75	1.00	1.57	2.00
	100~470	0.80	1.00	1.34	1.50
	>470	0.85	1.00	1.10	1.15
≥160	1~100	0.85	1.00	1.40	1.50

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.
 Production date:2023.04.17

FOR APPROVAL

DIMENSIONS(mm)

ΦD	12.5
L	20
α	2.0
P	5.0
Φd	0.6



Customer: Ozdisan	Electrolytic Capacitors SH Series	Su'scon Code
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Electric Characteristics:											
Ozdisan	Su'scon	Cap.	Cap.	Rate	Surge	Oper.	Nominal	Leakage	D.F.	R.C	Load
P/N	P/N	(uF)	Tol.	Volt.	Volt.	Temp.	Case Size	Current	MAX	120 Hz	Life
	SH050M471X20TKKKS00A	470	±20	50	63	125	12.5*20	235	10	550	2000
			(%)	(V-DC)	(V-DC)	(°C)	D*L(mm)	Max (uA)	(%)	(mA rms)	(hours)

REMARKS:

1. Leakage Current Test:	10V ~100V at 20°C for 2 minutes ;160V ~450V at 20°C for 3 minutes.
2. Operating temperature:	10V~250V -40°C ~ +125°C ;350V~450V -25°C ~ +125°C ;
3. Dissipation Factor Test:	at 20°C, 120 Hz.
4. Capacitance Test:	at 20°C, 120 Hz.
5. Ripple Current Test:	at 125°C, 120 Hz ;
6. Load Life:	2000hours,subjected to DC voltage with the rated ripple current is applied at 125°C.
Capacitance Change:	Within±25% of initial value;
tanδ:	200% or less of initial specified value;
	According to the specified value which stated in the catalogue to do the life testing;
Leakage Current:	Initial specified value or less;
7. Shelf Life:	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours 125°C without voltage applide. Before the measurement, the capacitor shall be preconditioned by applying voltage according to them 4.1 of JIS C5101-4.
Capacitance Change :	Within±25% of initial value;
tanδ:	200% or less of initial specified value;
Leakage Current:	Initial specified value or less.
8. when have characteristic requested:	Load life & shelf life test and etc. , judgment standard reference to our catalogue.

●SPECIFICATION

Voltage Range 工作電壓範圍	10V~100V	160V~450V									
Leakage Current 洩漏電流	$I \leq 0.01CV$ or 3(uA), Which is greater. (After 2 minutes application of working voltage)	$I \leq 0.03CV+20(uA)$. (After 3 minutes application of working voltage)									
Dissipation Factor 散逸因素 (損失角) (tan δ)	Measurement Frequency: 120Hz. Temperature: 20°C										
	Rate Voltage(V)	10	16	25	35	50	63~80	100	160	200~250	350~450
	tanδ (MAX)	0.20	0.16	0.14	0.12	0.10	0.10	0.10	0.15	0.20	0.24
	When nominal capacitance over 1000μF, tanδ shall be added 0.02 to the listed value with increase of every 1000μF.										
Standards 參照標準	JIS C-5101-4(IEC 60384)										

●RIPPLE CURRENT COEFFICIENTS

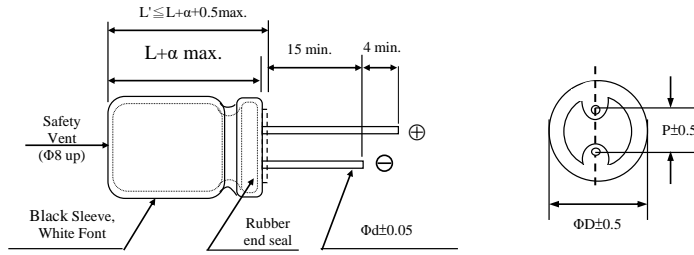
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The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.
 Production date:2023.04.17

FOR APPROVAL

DIMENSIONS(mm)

ΦD	18
L	25
α	2.0
P	7.5
Φd	0.8



Customer: Ozdisan	Electrolytic Capacitors SH Series	Su'scon Code
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Electric Characteristics:											
Ozdisan	Su'scon	Cap. (uF)	Cap. Tol. (%)	Rate Volt. (V-DC)	Surge Volt. (V-DC)	Oper. Temp. (°C)	Nominal Case Size D*L(mm)	Leakage Current Max (uA)	D.F. MAX (%)	R.C 120 Hz (mA rms)	Load Life (hours)
P/N	P/N										
	SH050M122K25TE99S00A	1200	±20	50	63	125	18*25	600	10	1100	5000

REMARKS:

1. Leakage Current Test:	10V ~100V at 20°C for 2 minutes ;160V ~450V at 20°C for 3 minutes.
2. Operating temperature:	10V~250V -40°C~ +125°C ;350V~450V -25°C~ +125°C ;
3. Dissipation Factor Test:	at 20°C, 120 Hz.
4. Capacitance Test:	at 20°C, 120 Hz.
5. Ripple Current Test:	at 125°C, 120 Hz ;
6. Load Life:	5000hours,subjected to DC voltage with the rated ripple current is applied at 125°C.
Capacitance Change:	Within±25% of initial value;
tanδ:	200% or less of initial specified value; According to the specified value which stated in the catalogue to do the life testing;
Leakage Current:	Initial specified value or less;
7. Shelf Life:	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours 125°C without voltage applide. Before the measurement, the capacitor shall be preconditioned by applying voltage according to them 4.1 of JIS C5101-4.
Capacitance Change :	Within±25% of initial value;
tanδ:	200% or less of initial specified value;
Leakage Current:	Initial specified value or less.
8. when have characteristic requested:	Load life & shelf life test and etc. , judgment standard reference to our catalogue.

●SPECIFICATION

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Dissipation Factor 散逸因素 (損失角) (tan δ)	Measurement Frequency: 120Hz. Temperature: 20°C										
	Rate Voltage(V)	10	16	25	35	50	63~80	100	160	200~250	350~450
	tanδ (MAX)	0.20	0.16	0.14	0.12	0.10	0.10	0.10	0.15	0.20	0.24
Standards 參照標準	JIS C-5101-4(IEC 60384)										

●RIPPLE CURRENT COEFFICIENTS

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