

USH SERIES

85°C Miniaturized

•Load Life : 85°C 3000 hours.

RoHS
compliance



SPECIFICATIONS

Items	Characteristics		
Category Temperature Range	-25~+85℃		
Rated Voltage Range	400~450Vdc		
Capacitance Tolerance	±20% (20℃, 120Hz)		
Leakage Current(MAX)	I=3√CV (After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc)		
Dissipation Factor(MAX) (tanδ)	0.2 (20℃, 120Hz)		
Endurance	After applying rated voltage with rated ripple current for 3000 hours at 85℃, the capacitors shall meet the following requirements.		
	Capacitance Change	Within ±20% of the initial value.	
	Dissipation Factor	Not more than 200% of the specified value.	
	Leakage Current	Not more than the specified value.	
Low Temperature Stability	(120Hz)		
Impedance Ratio(MAX)			
	Rated Voltage (Vdc)	400	420~450
	Z(-25℃)/Z(20℃)	8	12

MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)	60(50)	120(100)	300	500	1k	10k $\leq$
Coefficient	0.80	1.00	1.15	1.20	1.25	1.40

OPTION

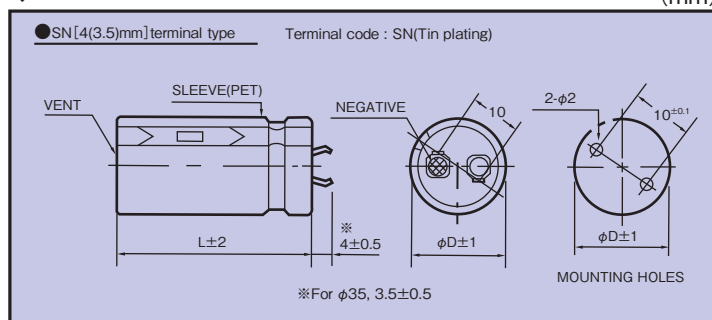
	Code
PET Sleeve without plate	EFC

PART NUMBER

□□□ USH □□□□□ M □□□ SN DXL
 Rated Voltage Series Capacitance Capacitance Tolerance Option Terminal Code Case Size

DIMENSIONS

(mm)



◆ STANDARD SIZE

Cap (μF)	Vdc φD	400							
		φ22		φ25		φ30		φ35	
150		22×25	1.37						
180		22×30	1.58						
220		22×35	1.81	25×25	1.66				
270		22×40	2.06	25×30	1.92	30×25	1.88		
330		22×45	2.32	25×35	2.20	30×30	2.18		
390		22×50	2.54	25×40	2.46	30×30	2.28	35×25	2.13
470		22×60	2.93	25×45	2.73	30×35	2.59	35×30	2.41
560				25×55	3.19	30×40	2.90	35×35	2.75
680						30×50	3.40	35×35	2.96
820						30×55	3.74	35×45	3.43
1000								35×50	3.76
1200								35×60	4.32

Cap (μF)	Vdc	420							
	φD	φ22		φ25		φ30		φ35	
150		22×25	1.33						
180		22×30	1.54	25×25	1.51				
220		22×35	1.77	25×30	1.75				
270		22×45	2.09	25×35	2.00	30×25	1.94		
330		22×50	2.36	25×40	2.28	30×30	2.17	35×25	2.17
390		22×55	2.61	25×45	2.53	30×30	2.27	35×30	2.31
470				25×50	2.82	30×35	2.61	35×30	2.61
560				25×55	3.07	30×45	3.01	35×35	2.82
680						30×50	3.29	35×40	3.11
820						30×55	3.62	35×45	3.40
1000								35×50	3.65
1200								35×60	4.20

Cap (μF)	Vdc	450							
	ΦD	φ22		φ25		φ30		φ35	
120		22×25	1.24						
150		22×30	1.45						
180		22×35	1.65	25×25	1.53				
220		22×40	1.87	25×30	1.77				
270		22×45	2.12	25×35	2.03	30×25	1.84		
330		22×55	2.46	25×40	2.30	30×30	2.14	35×25	2.10
390		22×60	2.72	25×50	2.65	30×35	2.42	35×30	2.32
470				25×55	2.95	30×40	2.72	35×35	2.66
560						30×50	3.17	35×35	2.82
680						30×55	3.50	35×45	3.25
820								35×50	3.57
1000								35×60	4.11

↑ Ripple Current (A r.m.s./120Hz, 85°C)
 Case Size ϕ D×L(mm)