

USH SERIES

85°C Miniaturized, Snap-in Terminal Type

◆FEATURES

- Load Life : 85°C 2000 hours.
- Smaller size than USG series.
- RoHS compliance.



◆SPECIFICATIONS

Items	Characteristics											
Category Temperature Range	-25~+85℃											
Rated Voltage Range	400~450V.DC											
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(V)											
Dissipation Factor(MAX) (tanδ)	<table><tr><td>Rated Voltage (V)</td><td>400~450</td></tr><tr><td>tanδ</td><td>0.20</td></tr></table>	Rated Voltage (V)	400~450	tanδ	0.20	(20℃,120Hz)						
Rated Voltage (V)	400~450											
tanδ	0.20											
Endurance	After applying rated voltage with rated ripple current for 2000 hours at 85℃, the capacitors shall meet the following requirements. <table><tr><td>Capacitance Change</td><td colspan="2">Within ±20% of the initial value.</td></tr><tr><td>Dissipation Factor</td><td colspan="2">Not more than 200% of the specified value.</td></tr><tr><td>Leakage Current</td><td colspan="2">Not more than the specified value.</td></tr></table>			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.	
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 Impedance Ratio(MAX)	<table><tr><td>Rated Voltage (V)</td><td>400</td><td>420~450</td></tr><tr><td>Z(-25℃)/Z(20℃)</td><td>8</td><td>12</td></tr></table>	Rated Voltage (V)	400	420~450	Z(-25℃)/Z(20℃)	8	12	(120Hz)				
Rated Voltage (V)	400	420~450										
Z(-25℃)/Z(20℃)	8	12										

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)		60(50)	120	500	1k	10k≤
Coefficient	400~450WV	0.80	1.00	1.20	1.25	1.40

◆OPTION

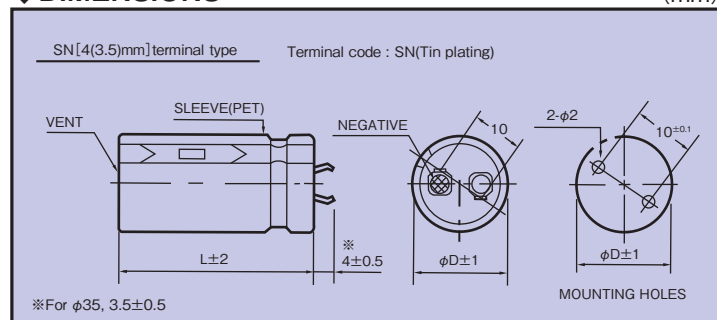
	Code
PET Sleeve without plate	EFC

◆PART NUMBER

□□□ USH □□□ M □□□ SN D×L
 Rated Voltage Series Capacitance Capacitance Tolerance Option Terminal Code Case Size

◆DIMENSIONS

(mm)



◆STANDARD SIZE

Cap (μ F)	V.DC ϕ D	400							
		ϕ 22		ϕ 25		ϕ 30		ϕ 35	
150		22×25	1.21						
180		22×30	1.45						
220		22×35	1.58	25×25	1.58				
270		22×40	1.67	25×30	1.67	30×25	1.67		
330		22×45	1.90	25×35	1.90	30×30	1.90		
390		22×50	2.13	25×40	2.13	30×30	2.13	35×25	2.13
470				25×45	2.39	30×35	2.39	35×30	2.39
560						30×40	2.69	35×35	2.69
680						30×50	2.96	35×35	2.96
820								35×45	3.25
1000								35×50	3.60

Cap (μ F)	V.DC ϕ D	420							
		ϕ 22		ϕ 25		ϕ 30		ϕ 35	
150		22×25	1.30						
180		22×30	1.48	25×25	1.48				
220		22×35	1.65	25×30	1.65				
270		22×45	1.94	25×35	1.94	30×25	1.94		
330		22×50	2.17	25×40	2.17	30×30	2.17	35×25	2.17
390				25×45	2.27	30×30	2.27	35×30	2.27
470				25×50	2.61	30×35	2.61	35×30	2.61
560						30×45	2.82	35×35	2.82
680						30×50	3.11	35×40	3.11
820								35×45	3.40

Cap (μ F)	V.DC ϕ D	450							
		ϕ 22		ϕ 25		ϕ 30		ϕ 35	
120		22×25	1.04						
150		22×30	1.29						
180		22×35	1.40	25×25	1.40				
220		22×40	1.66	25×30	1.66				
270		22×45	1.81	25×35	1.81	30×25	1.81		
330				25×40	2.10	30×30	2.10	35×25	2.10
390				25×50	2.32	30×35	2.32	35×30	2.32
470						30×40	2.66	35×35	2.66
560						30×50	2.82	35×35	2.82
680								35×45	3.00
820								35×50	3.30

Ripple Current (A r.m.s./120Hz, 85°C)

Case Size ϕ D×L(mm)