

SF SERIES
Electrolytic capacitors for photoflash applications with lug terminal.
◆ FEATURES

High voltage application.

RoHS compliance.

◆ CAUTION

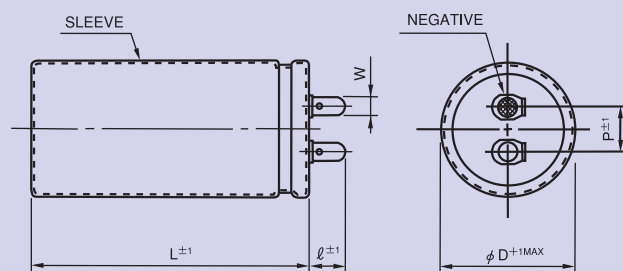
These Rubycon Photo Flash Capacitors are designed, manufactured and intended solely for use in photo flash and other photographic equipment. They are not intended for use in medical equipment. Rubycon Corporation, Rubycon America, Inc., and Shin-Ei Capacitor Foil Company, Ltd. expressly disclaim any warranties or representations as to the suitability or fitness of these capacitors for use in medical equipment.


◆ SPECIFICATIONS

Items	Characteristics								
Category Temperature Range	-20~+55°C								
Rated Voltage Range	450V.DC								
Withstand Voltage	500V.DC								
Capacitance Tolerance	-10~+20% (25°C,120Hz)								
Leakage Current(MAX)	$I=1.5 \times C$ (After 5 minutes application of rated voltage) I =Leakage Current(μ A) C =Rated Capacitance(μ F)								
(tan δ) Dissipation Factor(MAX)	<table border="1"> <thead> <tr> <th>Rated Capacitance (μF)</th> <th>150~600</th> <th>601~1000</th> <th>(25°C,120Hz)</th> </tr> </thead> <tbody> <tr> <td>tanδ</td> <td>0.10</td> <td>0.15</td> <td></td> </tr> </tbody> </table>	Rated Capacitance (μ F)	150~600	601~1000	(25°C,120Hz)	tan δ	0.10	0.15	
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Charge and Discharge	Charge and discharge at rated voltage at 5~35°C in every 30 seconds for 5000 times via Xe flash tube with discharge resistance of 0.7~1.0 Ω . <table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td>Within $\pm 10\%$ of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 150% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than 150% of the specified value.</td> </tr> </tbody> </table>	Capacitance Change	Within $\pm 10\%$ of the initial value.	Dissipation Factor	Not more than 150% of the specified value.	Leakage Current	Not more than 150% of the specified value.		
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Shelf Life	Storage without voltage applied at 70°C for 500 hours and measured at 25°C \pm 5°C after voltage processing in JIS C 5101-4 item 4.1 <table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td>Within $\pm 10\%$ of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 150% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than 300% of the specified value.</td> </tr> </tbody> </table>	Capacitance Change	Within $\pm 10\%$ of the initial value.	Dissipation Factor	Not more than 150% of the specified value.	Leakage Current	Not more than 300% of the specified value.		
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◆ DIMENSIONS

(mm)



ϕ D	25	30	35
P	8.0	8.0	10.0
l	5.5	5.5	5.5
W	3.0	3.0	3.0

Please check with us about individual size and dimensions.