Aluminum Electrolytic Capacitor

Customer	SEMIC	SERIES	EV	NO.: 521-750177	PUBLISH DATE	2017-5-15

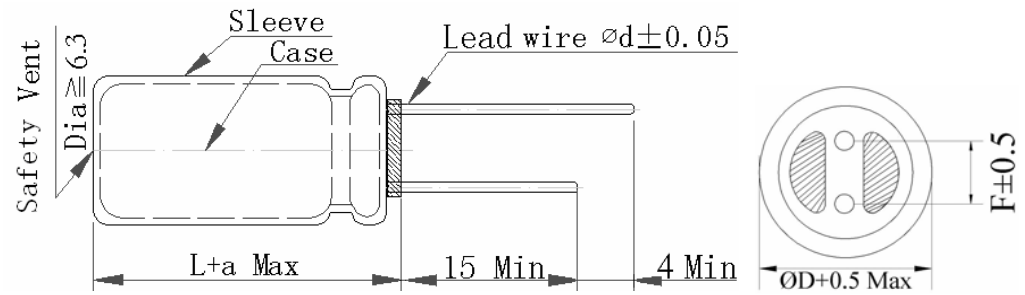

FIG-1

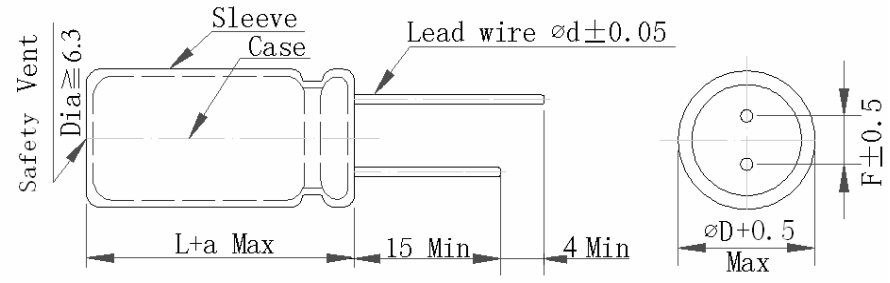

FIG-2

No.	ELITE Part No.	Customer Part No.	Capacitance (uF)	Tolerance On rated Capacitance (%)	Working Voltage (Vdc)	Surge Voltage (Vdc)	Category Temp. Range (℃)	Tanδ @25℃ (120 Hz) (Max)	Leakage Current (uA) (2min.)	Rated Ripple Current (mA rms) @105℃ 100kHz	Impedance @20℃ (Ωmax/ 100kHz)	Endurance @ 105℃ (Hours)	Dimensions (mm)					Appearance Drawing No
													DΦ	L	a	d	F	
1	EV1H4R7MNN0511U		4.7	± 20	50	63	-40~+105	0.10	3	155	3.6	3000	5	11	1.5	0.5	2.0	FIG-1
2	EV1H100MNN0511U		10	± 20	50	63	-40~+105	0.10	5	190	1.2	3000	5	11	1.5	0.5	2.0	FIG-1
3	EV1H101MNN0811		100	± 20	50	63	-40~+105	0.10	50	555	0.35	4000	8	11	1.5	0.6	3.5	FIG-2
4	EV1J100MNN0511U		10	± 20	63	79	-40~+105	0.09	6.3	30	2.85	3000	5	11	1.5	0.5	2.0	FIG-1
5	EV1J221MNN1220		220	± 20	63	79	-40~+105	0.09	138.6	500	0.21	6000	12.5	20	1.5	0.6	5.0	FIG-2

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

REMARKS:	APPROVED BY	CHECKED BY	PREPARED BY
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Precautions in using Aluminum Electrolytic Capacitors

1. Standard DC electrolytic capacitors have polarity, which are indicated on the capacitors. They should not be used with polarity in reverse, if the polarity in circuit diagram is unknown, use non-polarised capacitors.
2. The capacitors should not be used at any temperature exceeding the range of the specified operating temperature.
3. If the capacitors are stored or left for a long time, aging should be conducted at the rated working voltage before application.
4. The capacitors are not suitable for circuits where sudden charge and discharge are frequently repeated.
5. Use the capacitors within the permissible ripple current range.
6. Do not impress voltage exceeding the capacitor's working voltage rating.
7. Be careful not to apply excessive force to the lead wires or terminals, which is subjected to the requirements of JIS-C-5101-4.
8. Soldering irons should be kept away from the sleeves of capacitors to avoid causing it to break.
9. Dip of flow soldering of the capacitors should be limited to 10 seconds at 260 degrees Celsius.
10. Take care when cleaning the circuit boards after soldering as some solvents that contain halogenated hydrocarbon solvents may have adverse effects on the capacitors.
11. When soldering lead wires or terminals of adjacent components, take care as if contacted, the capacitor sleeve may tear. Mount carefully so as not to bring adjacent components lead wires or terminals in contact with the sleeve, particularly when mounting on through-hole circuit boards.
12. The specification of products is followed by the characteristic (W) of JIS-C-5101-4. For methods of processing and testing, refer to JIS-C-5101-1.