

This product is completed the lead-free and RoHS.



DATA SHEET



SAMWHA ELECTRIC CO., LTD.

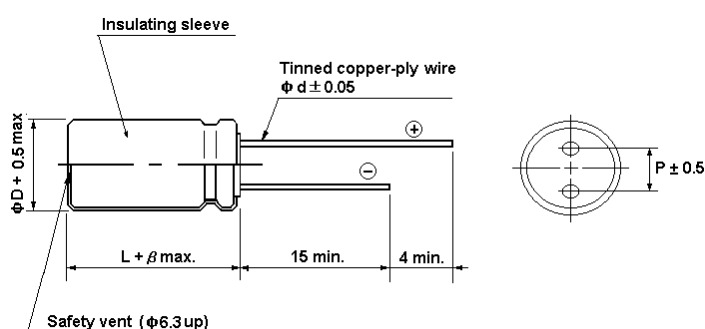
Aluminum Electrolytic Capacitors

Date : 2021. 07. 27.

Ident-No : SC-ARJ2827

Part No : RD 1A 477 M 0811M PG

Dimensions



ΦD	8
L	11.5
P	3.5
Φd	0.6
β	1.5

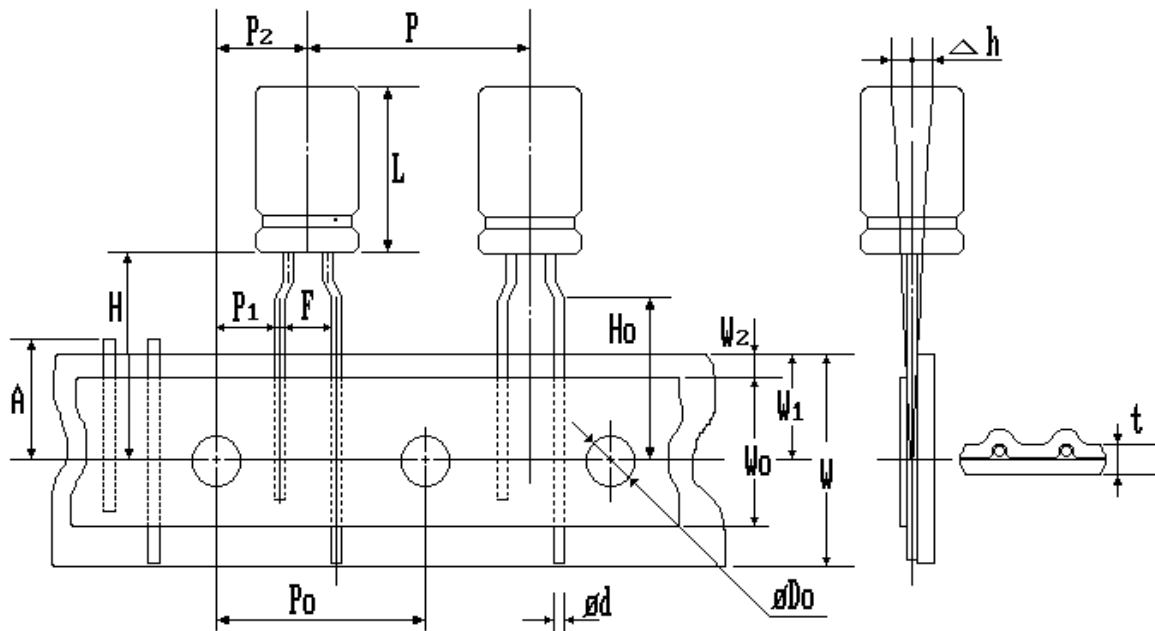
Dimensions of ϕD & L

Capacitance at 120Hz, 20℃	470 μF
Tolerance at 120Hz, 20℃	±20 %
Rated Voltage	10 V
Surge Voltage	13 V
Ripple current at 120Hz, 105℃	321 mA rms
Leakage current after 2 minute	47.0 μA
Dissipation factor (tanδ) at 120Hz, 20℃	0.24
Equivalent series resistance(E.S.R) at 120Hz, 20℃	0.68 Ω
Temperature range	-55 ~ +105℃
Load life at 105℃	1000 hours
Shelf life at 105℃	1000 hours

Approved

E. K. Joo *e.k.joo*

Technical team manager



Unit : mm

Description		Symbol	Tolerance	$\Phi 4$		$\Phi 5$		$\Phi 6.3$		$\Phi 8$	
Body height		L	*Note	5, 7	5	7, 11	5	7, 11	5	11.5, 15, 20	
Lead dia.		Φd	± 0.05	0.45	0.45	0.5	0.45	0.5	0.45	0.6	
Body pitch		P	± 1.0	12.7						12.7	12.7
Feeding hole pitch		P_0	± 0.2	12.7						12.7	12.7
Feeding hole alignment		P_1	± 0.7	3.85						3.85	3.85
Feeding hole alignment		P_2	± 1.0	6.35						6.35	6.35
Lead center spacing		F	$+0.6 / -0.2$	5.0						5.0	5.0
Body inclination		ΔH	± 2.0	0						0	0
Tape width		W	± 0.5	18.0						18.0	18.0
Adhesive tape width		W_0	min.	9.5						9.5	12.5
Feeding hole alignment		W_1	± 0.5	9.0						9.0	9.0
Adhesive tape margin		W_2	max.	2.0						2.0	2.0
Length from seating plane		H	± 0.5	18.5 (5, 7L=17.5)						17.5	20.0
Lead clinch height		H_o	± 0.5	16.5						16.5	16.5
Feeding hole dia.		ΦDo	± 0.2	4.0						4.0	4.0
Total tape thickness		t	± 0.2	0.6						0.6	0.6
Cut lead height		A	max.	11.0						11.0	11.0
Taping Code	Ammo	⊕ leader		PA						PA	PG

***Note** : Refer to the drawing of each series for tolerance.

Aluminum Electrolytic Capacitor

Taping dimension