

Scope

- The specification applies to single layer Capacitor.
- Type : SSLC102M1C80A

Structure

- Electrode topside (anode) : AL = $3\mu\text{m} \pm 3000\text{\AA}$
backside (cathode) : Ti / Au = $5000\text{\AA} \sim 6000\text{\AA}$
- Dielectric Constant (SiNx) : 7.5

Size

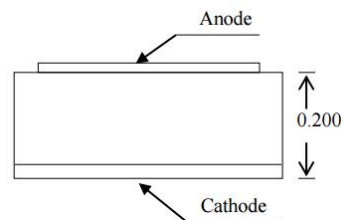
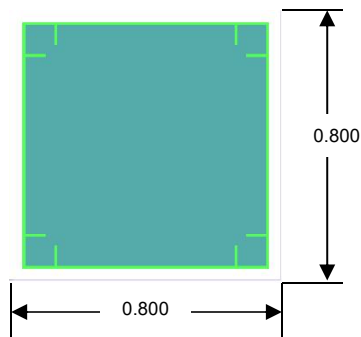
- Chip size (Before dicing) : $0.830 \pm 0.02\text{mm} * 0.830 \pm 0.02\text{mm}$
- Chip size (After dicing) : $0.800 \pm 0.03\text{mm} * 0.800 \pm 0.03\text{mm}$
- Thickness : $0.210 \pm 0.015\text{mm}$
- Pattern drawing : per fig.1

Electrical Characteristics

Symbol	Parameter	Conditions	Min.	Typ.	Max.	Unit
DWV	Dielectric Withstanding Voltage	$I_R = 10\mu\text{A}$	15			V
I_R	Reverse Dark Current	$V_R = 5\text{V}$, $E_e = 0$			1	nA
C_p^*	Capacitance Value*	1kHz, 1V	800	1000	1200	pF

* Capacitance value is sampling measurement

* The whole topside metal can be wired.



Unit :mm
Fig.1