

SURFACE MOUNT ALUMINUM ELECTROLYTIC CAPACITORS

ZC Height 5.5mL, Low Impedance Series

- Chip type, low impedance temperature range up to 105°C
- Designed for surface mounting on high density PC board
- Applicable to automatic insertion machine using carrier tape

IZI Low Impedance **S** Solvent Proof

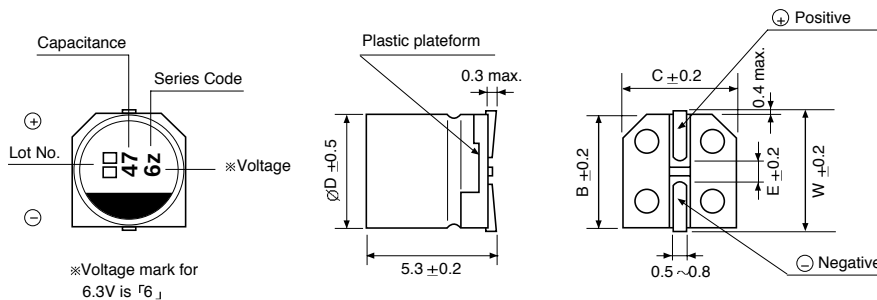
RC $\Rightarrow$ **ZC**
Low imp.



Item	Characteristics					
Operating temperature range	-55 ~ +105℃					
Leakage current max.	I = 0.01CV or 3 _μ A whichever is greater (after 2 minutes)					
Capacitance tolerance	±20% at 120Hz, 20℃					
Dissipation factor max. (at 120Hz, 20℃)	WV	6.3	10	16	25	35
	tan δ	0.22	0.19	0.16	0.14	0.12
Low temperature characteristics (Impedance ratio at 120Hz)	WV	6.3	10	16	25	35
	Z-25℃/Z+20℃	2	2	2	2	3
	Z-55℃/Z+20℃	4	4	3	3	3
Load life (after application of the rated voltage for 1000 hours at 105℃)	Leakage current		Less than specified value			
	Capacitance change		Within ±20% of initial value			
	tan δ		Less than 200% of specified value			
Shelf life (at 105℃)	After 1000 hours no load test, leakage current, capacitance and tan δ are same as load life value.					
Resistance to soldering heat	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them at 250℃ for 30 seconds.					
	Leakage current		Less than specified value			
	Capacitance change		Within ±10% of initial value			
	tan δ		Less than specified value			

DRAWING

Unit : mm



ϕD	W	B	C	E
4	4.8	4.3	4.3	1.0
5	6.0	5.3	5.3	1.4
6.3	7.1	6.6	6.6	2.2

DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \ WV	6.3			10			16			25			35		
1													4 × 5.3	5.0	50
1.5													4 × 5.3	5.0	50
2.2													4 × 5.3	5.0	50
3.3													4 × 5.3	5.0	50
4.7										4 × 5.3	5.0	50	4 × 5.3	5.0	50
6.8										4 × 5.3	5.0	50	5 × 5.3	2.6	80
10							4 × 5.3	5.0	50	5 × 5.3	2.6	80	5 × 5.3	2.6	80
15							5 × 5.3	2.6	80	6.3 × 5.3	1.3	75	6.3 × 5.3	1.3	115
22	4 × 5.3	5.0	50	5 × 5.3	2.6	80	5 × 5.3	2.6	80	6.3 × 5.3	1.3	115	6.3 × 5.3	1.3	115
33	5 × 5.3	2.6	80	5 × 5.3	2.6	80	6.3 × 5.3	1.3	115	6.3 × 5.3	1.3	115			
47	5 × 5.3	2.6	80	6.3 × 5.3	1.3	115	6.3 × 5.3	1.3	115						
68	6.3 × 5.3	1.3	115	6.3 × 5.3	1.3	115									
100	6.3 × 5.3	1.3	115												

← Ripple current (mA rms) at 105°C, 100kHz
 ↑ Impedance (Ω) at 20°C, 100kHz
 Case size $\phi D \times L$ (mm)