

**UZ - 2000H at 105°C SMD Aluminum Electrolytic Capacitor (Extra lower impedance)**

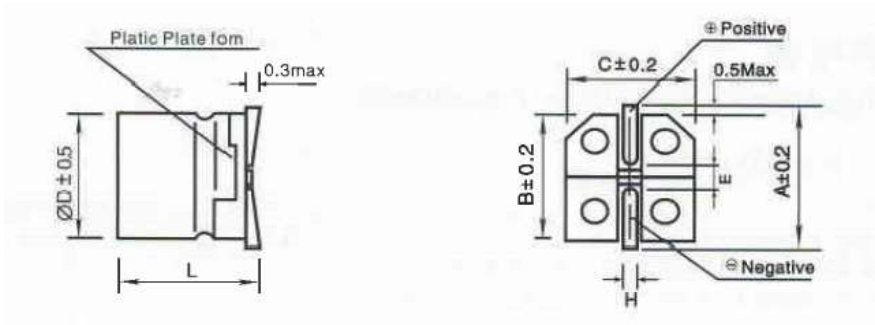
**Features**

- 2000hrs at 105°C
- Extra lower impedance
- Case diameter 4mm ~ 10mm
- Reflow soldering is available
- Available for high density surface mounting
- High stability and reliability
- RoHS Compliant

**Specifications**

Item	Performance Characteristics					
Operating Temperature Range	-55~+105°C					
Rated Voltage Range	6.3V ~ 35V					
Nominal Capacitance Range	4.7uF ~ 1500μF					
Norminal Capacitance Tolerance	±20%(+20°C ,120Hz)					
Leakage Current (MAX)	I = 0.01CV(μA) or 3μA after2 minutes					
	I=Leakage Current (μA) C=Norminal Capacitance (μF) V=Rated Voltage (V)					
Dissipation Factor (MAX) (tgδ,+20°C ,120Hz)	Rated Voltage (V)	6.3	10	16	25	35
	tgδ	0.26	0.19	0.16	0.14	0.12
Load Life	After applying rated voltage for with max ripple current for 2000hrs at 105°C, and then resumed 16 hours, the capacitors shall meet the following requirements.					
	Capacitance change : within ±30% of the initial measured value					
	Leakage current : ≤ the initial specified value					
	Dissipation factor: ≤ 300% of the initial specified value					
Shelf Life	After storage for 1000hrs at 105°C, then resumed 16 hours, the capacitors shall meet the following					
	Capacitance change : within ±30% of the initial measured value					
	Leakage current : ≤ 200% of the initial specified value					
	Dissipation factor: ≤ 300% of the initial specified value					
Resistance to Soldering Heat	The capacitors shall be kept on the hot plate maintained at 250°C for 30 seconds. After removing the hot plate and restored at room temperature, they meet the following requirements.					
	Capacitance change : within ±10% of the initial measured value					
	Leakage current : ≤ the initial specified value					
	Dissipation factor: ≤ the initial specified value					
Low Temperature Stability Impedance Ratio(MAX) 120Hz	Rated Voltage (V)	6.3	10	16	25	35
	Z-25°C/Z+20°C (120Hz)	4	3	2	2	2
	Z-55°C/Z+20°C (120Hz)	8	5	4	3	3

**Diagram of Dimensions**



Unit: mm

$\Phi D$	L	A	B	C	E	H
4	5.4 $\pm$ 0.3	5.0	4.3	4.3	1.0	0.5~0.9
5	5.4 $\pm$ 0.3	6.0	5.3	5.3	1.5	0.5~0.9
6.3	5.4 $\pm$ 0.3	7.2	6.6	6.6	2.1	0.5~0.9
6.3	7.7 $\pm$ 0.3	7.2	6.6	6.6	2.1	0.5~0.9
8	10.2 $\pm$ 0.5	9.1	8.3	8.3	3.1	0.8~1.1
10	10.2 $\pm$ 0.5	11.1	10.3	10.3	4.5	0.8~1.1

**Multiplier for Ripple Current**

Frequency coefficient

Frequency(Hz)	50	120	300	1k	$\geq 10k$
Coefficient	0.64	0.50	0.64	0.83	1.0

**Standard Size**

Rated Voltage (Vdc)	6.3V			10V			16V			25V			35V		
	DxL (mm)	$\Omega$	mA	DxL (mm)	$\Omega$	mA	DxL (mm)	$\Omega$	mA	DxL (mm)	$\Omega$	mA	DxL (mm)	$\Omega$	mA
4.7													4x5.4	1.35	90
10							4x5.4	1.35	90	4x5.4	1.35	90	5x5.4	0.7	160
22	4x5.4	1.35	90	4x5.4	1.35	90	5x5.4	0.7	160	5x5.4	0.7	160	6.3x5.4	0.36	240
33	4x5.4	1.35	90	5x5.4	0.7	160	6.3x5.4	0.36	240	6.3x5.4	0.36	240	6.3x5.4	0.36	240
47	5x5.4	0.7	160	6.3x5.4	0.36	240	6.3x5.4	0.36	240	6.3x5.4	0.36	240	6.3x5.4	0.36	240
68	6.3x5.4	0.36	240	6.3x5.4	0.36	240	6.3x5.4	0.36	240	6.3x5.4	0.36	240	6.3x7.7	0.32	290
100	6.3x5.4	0.36	240	6.3x5.4	0.36	240	6.3x5.4	0.36	240	6.3x7.7	0.32	290	8x10.2	0.16	600
150	6.3x5.4	0.36	240	6.3x5.4	0.36	240	6.3x7.7	0.32	290	8x10.2	0.16	600	10x10.2	0.16	600
220	6.3x5.4	0.36	240	6.3x7.7	0.32	290	6.3x7.7	0.32	290	8x10.2	0.16	600	10x10.2	0.08	850
330	6.3x7.7	0.32	290	8x10.2	0.16	600	8x10.2	0.16	600	8x10.2	0.16	600	10x10.2	0.08	850
470	8x10.2	0.16	600	8x10.2	0.16	600	8x10.2	0.16	600	10x12.5	0.08	850			
							10x10.2	0.08	850						
680	8x10.2	0.16	600	10x10.2	0.08	850	10x10.2	0.08	850						
1000	8x10.2	0.16	600	10x10.2	0.08	850									
1500	10x10.2	0.08	850												

mA Rated ripple current ( mA 105°C,100kHz)

$\Omega$  Impedance: ( $\Omega$ , 20°C, 100KHz)

Customer products are available on request.