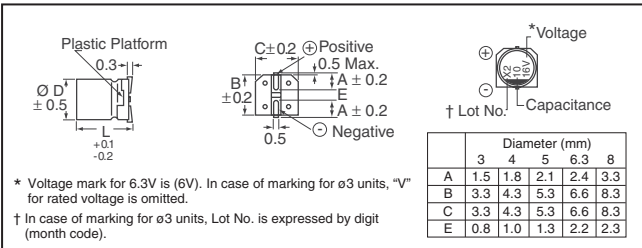




# WX Series Aluminum Electrolytic Capacitors (SMT)

General Purpose 85°C



\* Voltage mark for 6.3V is (6V). In case of marking for ø3 units, "V" for rated voltage is omitted.  
 † In case of marking for ø3 units, Lot No. is expressed by digit (month code).

• tan δ:

Rated Volt. (V)	4	6.3	10	16	25	35	50
tan δ (Max.)	0.35 (0.40)	0.26 (0.30)	0.20 (0.24)	0.16 (0.19)	0.14 (0.16)	0.12 (0.14)	0.12 (0.14)

Measurement frequency: 120Hz, Temperature: 20°C (Values in ( ) ø3 case size)

• Stability at Low Temperature:

Rated Voltage (V)	4	6.3	10	16	25	35	50
Impedance ratio Z <sub>-25°C</sub> / Z <sub>+20°C</sub>	7	4	3	2	2	2	2
ZT / Z20 (Max.)	Z <sub>-40°C</sub> / Z <sub>+20°C</sub>	15	8	8	4	4	3

Measurement frequency: 120Hz

• Endurance:

After 2000 hours application of rated voltage at 85°C, capacitors meet the characteristic requirements listed at right.

Capacitance Change	Within ±20% of initial value (Within ±25% for 4V and ø3)
tan δ	200% or less of initial specified value
Leakage Current	Initial specified value or less

• Shelf Life:

After leaving capacitors under no load at 85°C for 1000 hours, they meet the specified value for endurance characteristics listed above.

• Resistance to Soldering Heat: The capacitors shall be kept on the hot plate maintained at 250°C for 30 seconds. After removing from the hot plate and restored at room temperature, they meet the characteristic requirements listed at right.

Capacitance Change	Within ±10% of initial value
tan δ	Initial specified value or less
Leakage Current	Initial specified value or less

• Marking: Black print on the case top.

**FEATURES:**

- Designed for surface mounting on high density PC board
- Applicable to automatic mounting machine using carrier tape
- Load life of 2000 hours at 85°C

**SPECIFICATIONS:**

Temperature Range	-40°C - 85°C
Capacitance Tolerance	±20% at 120Hz, 20°C
Leakage Current	After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or 3 (µA), whichever is greater.

F

Rated Voltage (VDC)	Cap. (µF)	tan δ (Maximum) @ 120Hz/20°C	Leakage Current (µA)	Rated Ripple Cur. @ 120Hz/85°C (mA rms)	Dia. D (mm)	Dim. L (mm)	Cut Tape Pricing			Digi-Key Part No.	Tape & Reel		Nichicon Part No.	
							5	10	25		Size	Pricing		
4	22	0.35	3	19	3.0	5.4	493-2075-1-ND	.89	1.47	3.41	493-2075-2-ND	2,000	63.00/M	UWX0G220MCL2GB
	33	0.35	3	28	4.0	5.4	493-2076-1-ND	.89	1.47	3.41	493-2076-2-ND	2,000	63.00/M	UWX0G330MCL1GB
	47	0.35	3	33	4.0	5.4	493-2077-1-ND	.89	1.47	3.41	493-2077-2-ND	2,000	63.00/M	UWX0G470MCL1GB
	56	0.35	3	42	5.0	5.4	493-2078-1-ND	.94	1.54	3.58	493-2078-2-ND	1,000	66.00	UWX0G560MCL1GB
	100	0.35	4	56	5.0	5.4	493-2079-1-ND	.94	1.54	3.58	493-2079-2-ND	1,000	66.00	UWX0G101MCL1GB
	150	0.35	6	79	6.3	5.4	493-2080-1-ND	1.21	2.00	4.63	493-2080-2-ND	1,000	85.50	UWX0G151MCL1GB
6.3	220	0.35	8.8	96	6.3	5.4	493-2081-1-ND	1.21	2.00	4.63	493-2081-2-ND	1,000	85.50	UWX0G221MCL1GB
	330	0.35	13.2	145	8.0	5.4	493-2082-1-ND	1.30	2.14	4.96	493-2082-2-ND	1,000	91.50	UWX0G331MCL1GB
	22	0.26	3	21	3.0	5.4	493-2083-1-ND	.85	1.40	3.25	493-2083-2-ND	2,000	60.00/M	UWX0J220MCL2GB
	33	0.26	3	28	4.0	5.4	493-2084-1-ND	.85	1.40	3.25	493-2084-2-ND	2,000	60.00/M	UWX0J220MCL1GB
	47	0.26	3	37	5.0	5.4	493-2085-1-ND	.94	1.54	3.58	493-2085-2-ND	1,000	66.00	UWX0J330MCL1GB
	56	0.26	3	45	5.0	5.4	493-2086-1-ND	.89	1.47	3.41	493-2086-2-ND	1,000	63.00	UWX0J470MCL1GB
10	100	0.26	3.528	52	6.3	5.4	493-2087-1-ND	.94	1.54	3.58	493-2087-2-ND	1,000	66.00	UWX0J560MCL1GB
	150	0.26	6.3	70	6.3	5.4	493-2088-1-ND	.94	1.54	3.58	493-2088-2-ND	1,000	66.00	UWX0J101MCL1GB
	220	0.26	9.45	71	6.3	5.4	493-2089-1-ND	1.28	2.10	4.88	493-2089-2-ND	1,000	90.00	UWX0J151MCL1GB
	330	0.26	13.86	110	8.0	5.4	493-2090-1-ND	1.30	2.14	4.96	493-2090-2-ND	1,000	91.50	UWX0J221MCL1GB
	150	0.2	3	33	5.0	5.4	493-2091-1-ND	1.30	2.14	4.96	493-2091-2-ND	1,000	91.50	UWX0J331MCL1GB
	220	0.2	3.3	41	5.0	5.4	493-2092-1-ND	.85	1.40	3.25	493-2092-2-ND	1,000	60.00	UWX1A220MCL1GB
16	33	0.2	3.3	41	5.0	5.4	493-2093-1-ND	.94	1.54	3.58	493-2093-2-ND	1,000	66.00	UWX1A330MCL1GB
	47	0.2	4.7	52	6.3	5.4	493-2094-1-ND	.94	1.54	3.58	493-2094-2-ND	1,000	66.00	UWX1A470MCL1GB
	56	0.2	5.6	57	6.3	5.4	493-2095-1-ND	.94	1.54	3.58	493-2095-2-ND	1,000	66.00	UWX1A560MCL1GB
	100	0.2	10	76	6.3	5.4	493-2096-1-ND	.94	1.54	3.58	493-2096-2-ND	1,000	66.00	UWX1A101MCL1GB
	150	0.2	15	111	8.0	5.4	493-2097-1-ND	1.64	2.70	6.26	493-2097-2-ND	1,000	115.50	UWX1A151MCL1GB
	220	0.2	22	135	8.0	5.4	493-2098-1-ND	1.30	2.14	4.96	493-2098-2-ND	1,000	91.50	UWX1A221MCL1GB
25	10	0.16	3	18	3.0	5.4	493-2099-1-ND	.85	1.40	3.25	493-2099-2-ND	2,000	60.00/M	UWX1C100MCL2GB
	10	0.16	3	23	4.0	5.4	493-2100-1-ND	.85	1.40	3.25	493-2100-2-ND	2,000	60.00/M	UWX1C100MCL1GB
	22	0.16	3.52	37	5.0	5.4	493-2101-1-ND	.85	1.40	3.25	493-2101-2-ND	1,000	60.00	UWX1C220MCL1GB
	33	0.16	5.28	49	6.3	5.4	493-2102-1-ND	1.02	1.68	3.90	493-2102-2-ND	1,000	72.00	UWX1C330MCL1GB
	47	0.16	7.52	58	6.3	5.4	493-2103-1-ND	.94	1.54	3.58	493-2103-2-ND	1,000	66.00	UWX1C470MCL1GB
	56	0.16	8.96	63	6.3	5.4	493-2104-1-ND	1.02	1.68	3.90	493-2104-2-ND	1,000	72.00	UWX1C560MCL1GB
35	100	0.16	16	86	6.3	5.4	493-2105-1-ND	1.04	1.72	3.98	493-2105-2-ND	1,000	73.50	UWX1C101MCL1GB
	4.7	0.14	3	12	3.0	5.4	493-2106-1-ND	.85	1.40	3.25	493-2106-2-ND	2,000	60.00/M	UWX1E4R7MCL2GB
	4.7	0.14	3	16	4.0	5.4	493-2107-1-ND	.85	1.40	3.25	493-2107-2-ND	2,000	60.00/M	UWX1E4R7MCL1GB
	10	0.14	3	27	5.0	5.4	493-2108-1-ND	.94	1.54	3.58	493-2108-2-ND	1,000	66.00	UWX1E100MCL1GB
	22	0.14	5.5	42	6.3	5.4	493-2109-1-ND	1.02	1.68	3.90	493-2109-2-ND	1,000	72.00	UWX1E220MCL1GB
	33	0.14	8.25	52	6.3	5.4	493-2110-1-ND	1.17	1.93	4.47	493-2110-2-ND	1,000	82.50	UWX1E330MCL1GB
50	47	0.14	11.75	70	8.0	5.4	493-2111-1-ND	1.30	2.14	4.96	493-2111-2-ND	1,000	91.50	UWX1E470MCL1GB
	56	0.14	14	76	8.0	5.4	493-2112-1-ND	1.30	2.14	4.96	493-2112-2-ND	1,000	91.50	UWX1E560MCL1GB
	100	0.14	25	110	8.0	5.4	493-2113-1-ND	1.72	2.84	6.58	493-2113-2-ND	1,000	121.50	UWX1E101MCL1GB
	2.2	0.12	3	8.4	3.0	5.4	493-2114-1-ND	.85	1.40	3.25	493-2114-2-ND	2,000	60.00/M	UWX1V2R2MCL2GB
	3.3	0.12	3	10	3.0	5.4	493-2115-1-ND	.85	1.40	3.25	493-2115-2-ND	2,000	60.00/M	UWX1V3R3MCL2GB
	4.7	0.12	3	18	4.0	5.4	493-2116-1-ND	.85	1.40	3.25	493-2116-2-ND	2,000	60.00/M	UWX1V4R7MCL1GB
50	10	0.12	3.5	29	5.0	5.4	493-2117-1-ND	.94	1.54	3.58	493-2117-2-ND	1,000	66.00	UWX1V100MCL1GB
	22	0.12	7.7	46	6.3	5.4	493-2118-1-ND	1.02	1.68	3.90	493-2118-2-ND	1,000	72.00	UWX1V220MCL1GB
	33	0.12	11.55	62	8.0	5.4	493-2119-1-ND	1.30	2.14	4.96	493-2119-2-ND	1,000	91.50	UWX1V330MCL1GB
	47	0.12	16.45	80	8.0	5.4	493-2120-1-ND	1.30	2.14	4.96	493-2120-2-ND	1,000	91.50	UWX1V470MCL1GB
	0.1	0.12	3	1	3.0	5.4	493-2121-1-ND	.89	1.47	3.41	493-2121-2-ND	2,000	63.00/M	UWX1HR1MCL2GB
	0.1	0.12	3	1	4.0	5.4	493-2122-1-ND	.89	1.47	3.41	493-2122-2-ND	2,000	63.00/M	UWX1HR1MCL1GB
50	0.22	0.12	3	2	3.0	5.4	493-2123-1-ND	.89	1.47	3.41	493-2123-2-ND	2,000	63.00/M	UWX1HR2MCL2GB
	0.22	0.12	3	2	4.0	5.4	493-2124-1-ND	.89	1.47	3.41	493-2124-2-ND	2,000	63.00/M	UWX1HR2MCL1GB
	0.33	0.12	3	2.8	3.0	5.4	493-2125-1-ND	.89	1.47	3.41	493-2125-2-ND	2,000	63.00/M	UWX1HR3MCL2GB
	0.33	0.12	3	2.8	4.0	5.4	493-2126-1-ND	.89	1.47	3.41	493-2126-2-ND	2,000	63.00/M	UWX1HR3MCL1GB
	0.47	0.12	3	4	3.0	5.4	493-2127-1-ND	.89	1.47	3.41	493-2127-2-ND	2,000	63.00/M	UWX1HR4MCL2GB
	0.47	0.12	3	4	4.0	5.4	493-2128-1-ND	.89	1.47	3.41	493-2128-2-ND	2,000	63.00/M	UWX1HR4MCL1GB
50	1	0.12	3	8	3.0	5.4	493-2129-1-ND	.89	1.47	3.41	493-2129-2-ND	2,000	63.00/M	UWX1H010MCL2GB
	1	0.12	3	8.4	4.0	5.4	493-2130-1-ND	.89	1.47	3.41	493-2130-2-ND	2,000	63.00/M	UWX1H010MCL1GB
	2.2	0.12	3	10	3.0	5.4	493-2131-1-ND	.94	1.54	3.58	493-2131-2-ND	2,000	66.00/M	UWX1H2R2MCL2GB
	2.2	0.12	3	13	4.0	5.4	493-2132-1-ND	.94	1.54</					