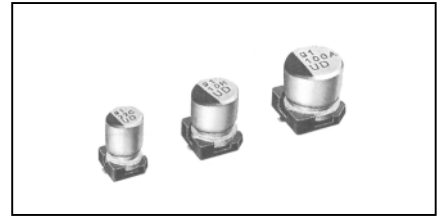


Low impedance temperature range up to +105

- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine using carrier tape.



SPECIFICATIONS

Item	Performance						
Category temperature range ()	-55~+105						
Rated voltage range	6.3~50V						
Rated capacitance range	1~1500μF						
Capacitance tolerance	±20% (20 , 120Hz)						
Leakage current (μA)	After 2 minutes' application of rated voltage, leakage current is not more than 0.01CV or 3 (μA), whichever is greater.						
Tangent of loss angle (tan δ)	Rated voltage (V)	6.3	10	16	25	35	50
	tan δ (max.)	0.26 (0.28)	0.20 (0.24)	0.16 (0.20)	0.14 (0.16)	0.12 (0.14)	0.12 (0.14)
() is φ8 over(20 , 120Hz)							
Stability at low temperature	Rated voltage (V)	6.3	10	16	25	35	50
	Impedance ratio (max.)	Z25 /Z+20	3	2	2	2	2
(120Hz)							
Endurance (105) (Applied ripple current)	Capacitance change	Within ±30% of initial value					
	tan δ	200% or less of initial specified value					
	Leakage Current	Initial specified value or less					
After 5000 hours' (2000 hours for φD≤6.3) application of rated voltage at 105 , capacitors meet the characteristic requirements listed at right.							
Shelf life	After leaving capacitors under no load at 105 for 1000 hours, they meet the specified value for endurance characteristics listed above.						
Resistance to soldering heat	Capacitance change	Within ±10% of initial value					
	tan δ	Initial specified value or less					
	Leakage Current	Initial specified value or less					
The capacitors shall be kept on the hot plate maintained at 250 for 30 seconds. After removing from the hot plate and restored at room temperature, they meet the characteristic requirements listed at right.							
Frequency coefficient of rated ripple current	Frequency (Hz)	50	120	300	1k	10k~	
	Coefficient	0.35	0.50	0.64	0.83	1.00	

CHIP TYPE

(φ4 ~ 6.3)

(φ8, φ10×10L)

Voltage

V	6.3	10	16	25	35	50
Code	j	A	C	E	V	H

(mm)

Outside Size φD×L	4×5.8	5×5.8	6.3×5.8	6.3×7.7	8×10	10×10
A	1.8	2.1	2.4	2.4	2.9	3.2
B	4.3	5.3	6.6	6.6	8.3	10.3
C	4.3	5.3	6.6	6.6	8.3	10.3
E	1.0	1.3	2.2	2.2	3.1	4.5
L	5.8	5.8	5.8	7.7	10	10
H	0.5~0.8	0.5~0.8	0.5~0.8	0.5~0.8	0.8~1.1	0.8~1.1

DIMENSIONS

V		6.3			10			16			25			35			50					
Cap. (µF)	Code	0J			1A			1C			1E			1V			1H					
		1	010																4×5.8	5.00	30	
2.2	2R2																			4×5.8	5.00	30
3.3	3R3																			4×5.8	5.00	30
4.7	4R7													4×5.8	1.80	80	5×5.8	1.52	85			
10	100										4×5.8	1.80	80	5×5.8	0.76	150	6.3×5.8	0.88	165			
15	150							4×5.8	1.80	80	5×5.8	0.76	150	5×5.8	0.76	150	6.3×5.8	0.88	165			
22	220				4×5.8	1.80	80	5×5.8	0.76	150	5×5.8	0.76	150	5×5.8	0.76	150	6.3×5.8	0.88	165			
27	270	4×5.8	1.80	80	5×5.8	0.76	150	5×5.8	0.76	150	6.3×5.8	0.44	230	6.3×5.8	0.44	230	6.3×7.7	0.68	185			
33	330	5×5.8	0.76	150	5×5.8	0.76	150	6.3×5.8	0.44	230	6.3×5.8	0.44	230	6.3×5.8	0.44	230	6.3×7.7	0.68	185			
47	470	5×5.8	0.76	150	6.3×5.8	0.44	230	6.3×5.8	0.44	230	6.3×5.8	0.44	230	6.3×5.8	0.44	230	6.3×7.7	0.68	185			
56	560	5×5.8	0.76	150	6.3×5.8	0.44	230	6.3×5.8	0.44	230	6.3×5.8	0.44	230	6.3×7.7	0.34	280	8×10	0.34	300			
68	680	6.3×5.8	0.44	230	6.3×5.8	0.44	230	6.3×5.8	0.44	230	6.3×5.8	0.44	230	6.3×7.7	0.34	280	8×10	0.34	300			
100	101	6.3×5.8	0.44	230	6.3×5.8	0.44	230	6.3×5.8	0.44	230	6.3×7.7	0.34	280	8×10	0.17	450	8×10	0.34	300			
150	151	6.3×5.8	0.44	230	6.3×5.8	0.44	230	6.3×7.7	0.34	280	8×10	0.17	450	8×10	0.17	450	10×10	0.18	670			
220	221	6.3×5.8	0.44	230	6.3×7.7	0.34	280	6.3×7.7	0.34	280	8×10	0.17	450	8×10	0.17	450	10×10	0.18	670			
330	331	6.3×7.7	0.34	280	8×10	0.17	450	8×10	0.17	450	8×10	0.17	450	10×10	0.09	670						
470	471	8×10	0.17	450	8×10	0.17	450	8×10	0.17	450	10×10	0.09	670									
680	681	8×10	0.17	450	10×10	0.09	670	10×10	0.09	670												
1000	102	8×10	0.17	450	10×10	0.09	670															
1500	152	10×10	0.09	670																Case size	Impedance	Rated ripple

Max. impedance (Ω) at 20 100kHz, Rated Ripple (mA rms) at 105 100kHz