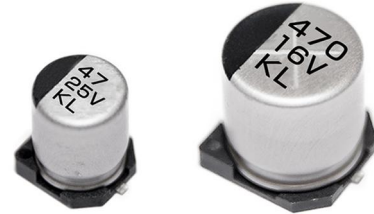


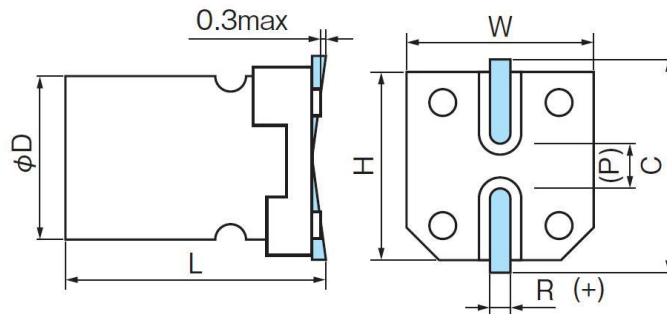
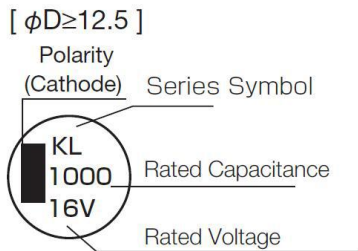
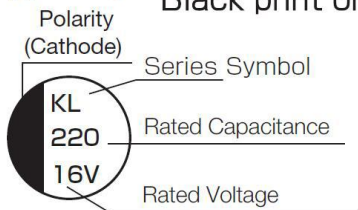
**FEATURES**

- 105°C 5,000Hours
- Solvent proof (within 2 minutes)



**DIMENSIONS (mm)**

[  $\phi D \leq 10$  ] Black print on the case top



A pressure relief vent is provided for  $\phi D=8$  or bigger

$\phi D \pm 0.5$	L	$W \pm 0.2$	$H \pm 0.2$	$C \pm 0.2$	R	$P \pm 0.2$
4	$5.8 \pm 0.4$	4.3	4.3	5.1	0.5~0.8	1
5	$5.8 \pm 0.4$	5.3	5.3	6.1	0.5~0.8	1.3
6.3	$5.8 \pm 0.4$	6.6	6.6	7.3	0.5~0.8	2.2
6.3	$7.7 \pm 0.4$	6.6	6.6	7.3	0.5~0.8	2.2
8	$10.5 \pm 0.5$	8.3	8.3	9.2	0.7~1.2	3.1
10	$10.5 \pm 0.5$	10.3	10.3	11.2	0.7~1.2	4.4
10	$13.5 \pm 0.5$	10.3	10.3	11.2	0.7~1.2	4.4
12.5	$13.5 \pm 0.5$	13	13	14	1.0~1.4	4.4
12.5	$16.0 \pm 0.5$	13	13	14	1.0~1.4	4.4
16	$16.5 \pm 0.5$	17	17	18	1.0~1.4	6.4



**SPECIFICATIONS**

Items	Condition		Specifications									
Rated voltage (V)	—		6.3	10	16	25	35	50	63	80	100	
Surge voltage (V)	Room temperature		8.0	13	20	32	44	63	79	100	125	
Category temperature range (°C)	—		-55 to +105									
Capacitance tolerance (%)	120Hz/20°C		M : ±20									
Dissipation Factor (tan δ)	tanδ (max) 120Hz/20°C	φ4 to φ10	0.3	0.24	0.2	0.18	0.16	0.14	0.14	0.14	0.14	0.14
		φ12.5to φ16	0.38	0.34	0.3	0.28	0.22	0.18	0.16	0.16	0.16	0.16
			Exceeding 1,000μF, +0.02 every 1,000μF									
Leakage current (LC)	μA/after 2 minutes (max)		The greater value of either 0.01CV or 3μA									
Impedance ratio at low temperature	Based on the value at 120Hz, +20°C	-25°C	Z/Z <sub>20°C</sub>	7	4	3	2	2	2	2	2	2
		-40°C	Z/Z <sub>20°C</sub>	15	8	6	4	4	4	3	3	3
Endurance	105°C rated voltage applied (With the rated ripple current)	ΔC/C	Within ±30% of the initial value									
		tanδ	Less than 300% of the specified value									
		LC	Less than the specified value									

**RATED RIPPLE CURRENT FREQUENCY COEFFICIENT**

Frequency:F(Hz)		100≤F<1k	1k≤F<10k	10k≤F<100k	100k≤F
Capacitance:C(μF)	C≤4.7	1	1.3	1.5	1.8
	4.7<C≤33	1	1.2	1.3	1.45
	33<C	1	1.1	1.2	1.3



**STANDARD RATINGS**

μF \ V	6.3		10		16		25		35	
	Size	RC	Size	RC	Size	RC	Size	RC	Size	RC
4.7									4×5.8	16
10					4×5.8	18	5×5.8	27	5×5.8	27
22	4×5.8	22	5×5.8	30	5×5.8	30	6.3×5.8	44	6.3×5.8	44
33	5×5.8	35	5×5.8	36	6.3×5.8	48	6.3×5.8	50	6.3×7.7	57
47	5×5.8	40	6.3×5.8	50	6.3×5.8	50	6.3×7.7	63	8×10.5	92
100	6.3×5.8	65	6.3×7.7	80	6.3×7.7	80	8×10.5	120	8×10.5	130
150	6.3×7.7	85	8×10.5	125	8×10.5	125	10×10.5	220	10×10.5	290
220	6.3×7.7	120	8×10.5	140	8×10.5	140	10×10.5	220	10×10.5	320
330	8×10.5	220	8×10.5	220	10×10.5	290	10×10.5	320		
			10×10.5	290						
470	10×10.5	320	10×10.5	320	10×10.5	320				
680	10×10.5	320	10×10.5	320						
1000	10×10.5	410								

μF \ V	50		63		80		100	
	Size	RC	Size	RC	Size	RC	Size	RC
0.47	4×5.8	5						
1	4×5.8	8						
2.2	4×5.8	12						
3.3	4×5.8	17					6.3×7.7	30
4.7	5×5.8	22					6.3×7.7	40
10	6.3×5.8	32	6.3×7.7	45	8×10.5	55	8×10.5	55
22	6.3×7.7	58	8×10.5	65	8×10.5	65	10×10.5	70
33	8×10.5	65	10×10.5	80	10×10.5	80	10×10.5	80
47	8×10.5	90	10×10.5	110	10×10.5	110		
100	10×10.5	160						

↑ Case

↑ Rated ripple current: mArms(120Hz, 105°C)

size:φDxL(mm)

**Note: Other Values are available on request. WEET is capable of doing custom service for you.**



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**PN Structure**

WKL	0J	0R1	M	040054	T	R
Series	Rated Voltage	Capacitance	Capacitance Tolerance	Dimension	Packing	Pb
	1.	2.	3.	4.	5.	6.

**1. Rated Voltage**

Code	0J	1A	1C	1D	1E	1V	1G	1H	1J	1K	2A
Voltage	6.3V	10V	16V	20V	25V	35V	40V	50V	63V	80V	100V

**2. Capacitance**

Code	0R1	R22	R33	R47	010	2R2	3R3	4R7	100	220	330	470	101
Capacitance (μF)	0.1	0.22	0.33	0.47	1	2.2	3.3	4.7	10	22	33	47	100

**3. Capacitance Tolerance**

Code	K	L	M
Tolerance	±10%	±15%	±20%

**4. Dimension**

Code	040054	050054	063054	080105	100105
Dimension (mm)	4x5.4	5x5.4	6.3x5.4	8x10.5	10x10.5

**5. Packing**

Code	T
Packing	Tape & Reel

**6. Pb**

Code	L	R
Pb	Leaded	RoHS

