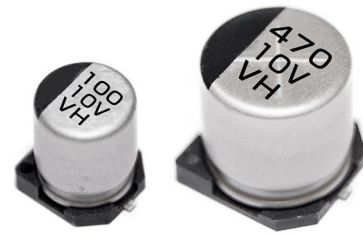


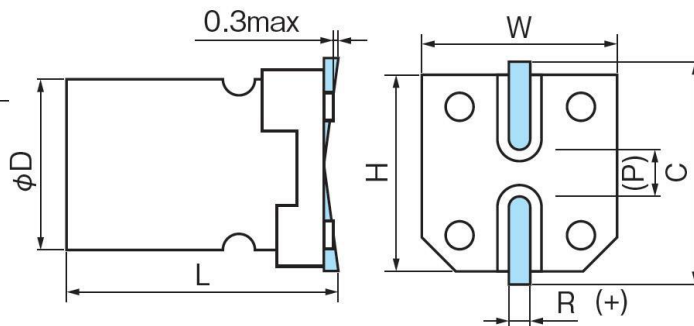
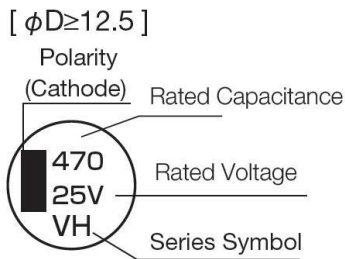
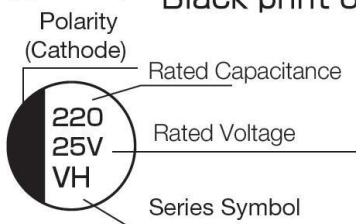
**FEATURES**

- 125°C 1,000 to 2,000Hours
- 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	$P \pm 0.2$
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
12.5	$13.5 \pm 0.5$	13	13	14	0.7~1.2	4.4
16	$16.5 \pm 0.5$	17	17	18	1.0~1.4	6.4



**SPECIFICATIONS**

Items	Condition	Specifications									
		6.3	10	16	25	35	50	63	100		
Rated voltage (V)	—	6.3	10	16	25	35	50	63	100		
Surge voltage (V)	Room temperature	8.0	13	20	32	44	63	79	125		
Category temperature range (°C)	—	-40 to +125									
Capacitance tolerance (%)	120Hz/20°C	M : ±20									
Dissipation Factor (tan δ)	tanδ (max) 120Hz/20°C	0.3	0.24	0.2	0.18	0.16	0.14	0.12	0.12		
		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>	4	3	2	2	2	2	2	
		-40°C	Z/Z <sub>20°C</sub>	8	6	4	3	3	3	3	
Endurance	125°C rated voltage applied (With the rated ripple current)	Test	φD=6.3 : 1,000hours; φ8 to φ16 : 2,000hours								
		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≤22	0.5	0.8	0.9	1
	22<C≤150	0.65	0.85	0.92	1
	150<C	0.7	0.85	0.95	1



## STANDARD RATINGS

μF \ V	6.3			10			16			25		
	Size	ESR	RC	Size	ESR	RC	Size	ESR	RC	Size	ESR	RC
33										6.3×5.8	1.6	70
47				6.3×5.8	1.6	70	6.3×5.8	1.6	70	6.3×7.7	0.9	110
100							6.3×7.7	0.9	110	6.3×7.7	0.9	110
	6.3×5.8	1.6	70	6.3×7.7	0.9	110	8×10.5	0.4	160	8×10.5	0.4	160
220				6.3×7.7	0.9	110				8×10.5	0.4	160
	6.3×7.7	0.9	110	8×10.5	0.4	160	8×10.5	0.4	160	10×10.5	0.3	296
330	8×10.5	0.4	160	8×10.5	0.4	160	10×10.5	0.3	296	10×10.5	0.3	296
470	8×10.5	0.4	160	10×10.5	0.3	296						
680	10×10.5	0.3	296									

μF \ V	35			50			63			100		
	Size	ESR	RC	Size	ESR	RC	Size	ESR	RC	Size	ESR	RC
2.2				6.3×5.8	3.5	45						
3.3				6.3×5.8	3.5	45						
4.7	6.3×5.8	2	60	6.3×5.8	3.5	45						
10	6.3×5.8	1.6	70	6.3×5.8	2.8	50				8×10.5	1	70
22	6.3×5.8	1.6	70	6.3×7.7	2	80	8×10.5	1	100	8×10.5	1	70
33				6.3×7.7	2	80						
	6.3×7.7	0.9	110	8×10.5	0.7	140	8×10.5	1	100	10×10.5	0.8	115
47	6.3×7.7	0.9	110	8×10.5	0.7	140	8×10.5	1	100			
	8×10.5	0.4	160	10×10.5	0.5	247	10×10.5	0.5	150			
100	8×10.5	0.4	160	10×10.5	0.5	247	10×10.5	0.5	150			
	10×10.5	0.3	296									
220	10×10.5	0.3	296									

↑ Case      ↑ ESR (Ω) max      ↑ Rated ripple current  
 size:φDxL(mm)    at 100kHz, 20°C      mArms(100kHz, 125°C)

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



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## PN Structure

<b>WVH</b>	<b>0J</b>	<b>0R1</b>	<b>M</b>	<b>040054</b>	<b>T</b>	<b>R</b>
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

