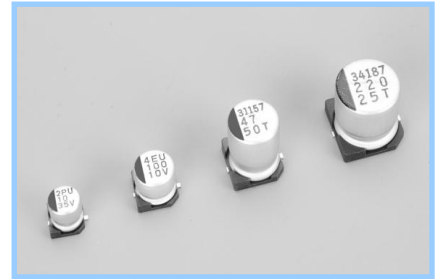


CUH SERIES

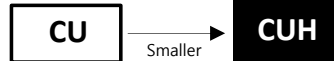
105°C, Standard, Chip type

■ Features

- 105°C, Standard, SMD type
- Expand up to Φ10 case sizes
- Load life of 1,000 ~ 2,000 hours at 105°C

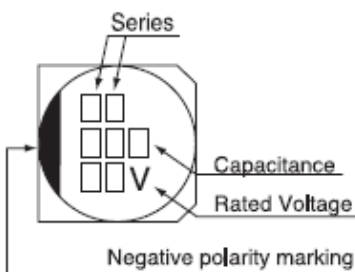


■ Specifications

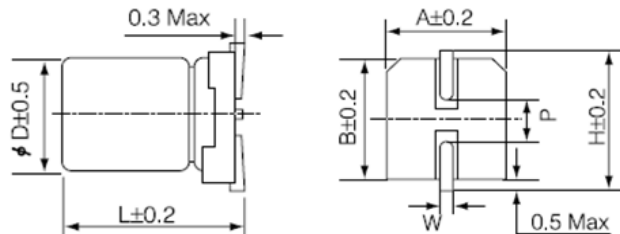


Item	Performance Characteristics						
Operating temperature range	-40°C ~ +105°C						
Rated working voltage range	6.3V ~ 50V						
Nominal capacitance range	2.2 μF ~ 1,000 μF , ±20% (at 20°C, 120Hz)						
D.C Leakage current(at 20°C)	I ≤ 0.01CV or 3μA (2min), whichever is greater.						
		Where I = Leakage current(μA)		C = Nominal capacitance(μF)		V = Rated voltage (V)	
Tan δ (max., at 20°C, 120Hz)	W.V	6.3	10	16	25	35	50
	Tan δ	0.35	0.26	0.20	0.16	0.14	0.12
Characteristics at low temperature(max.) (impedance ratio at 120Hz)	W.V(V)	6.3	10	16	25	35	50
	Z-25°C/Z+20°C	4	3	2	2	2	2
	Z-40°C/Z+20°C	8	6	4	4	3	3
Load life	After applying rated working voltage for 2,000 hours at +105°C and then listed being stabilized at +20°C, capacitors shall meet following limits. (4Φ~6.3Φ : 1,000Hours)						
	Capacitance change	Within ±25% of the initial measured value (for 20% ≥8Φ)					
	Tan δ	≤ 200% of the initial specified value (for 200% ≥8Φ)					
	Leakage current	≤ The initial specified value					
Shelf life	After storage for 1,000hours at + 105°C with no voltage applied and then being stabilized at +20°C, capacitors shall meet following limits.						
	Capacitance change	Within ±25% of the initial measured value					
	Tan δ	≤ 200% of the initial specified value					
	Leakage current	≤ The initial specified value					
Resistance to soldering heat	After reflow soldering(Refer to reflow soldering temperature profile) and then being stabilized at +20°C, capacitors shall meet following limits.						

■ Marking



■ Dimensions in mm(not to scale)



Size code	Φ D	L	A	B	P	H	W
B	4	5.3	4.3	4.3	1	5	0.5~0.8
C	5	5.3	5.3	5.3	1.5	5.9	0.5~0.8
D	6.3	5.3	6.6	6.6	2	7.2	0.5~0.8
D ₁	6.3	5.7	6.6	6.6	2	7.2	0.5~0.8
D ₂	6.3	7.7	6.6	6.6	2	7.2	0.5~0.8
E	8	6.3	8.3	8.3	2.3	9	0.5~0.8
F	8	10	8.3	8.3	3.1	9	0.8~1.1
G	10	10	10.3	10.3	4.5	11	0.8~1.1

CUH SERIES

▣ Dimensions & Maximum permissible ripple current

μF \ V	6.3	10	16	25	35	50
2.2						B 13
3.3						B 16
4.7				B 20	B 21	C 22
10			B 20	C 26	C 30	D 35
22	B 23	C 30	C 35	D 48	D 52	D ₁ , E 70
33	C 33	C 39	D 45	D 60	D ₁ , E 80	D ₂ , F 135
47	C 42	D 46	D 57	D ₁ , E 91	D ₂ , F 100	G 160
100	D 70	D ₁ , E 92	D ₁ , E 140	D ₂ , F 130	G 210	G 250
220	D ₂ , F 150	D ₂ , F 160	D ₂ , G 220	G 220	G 330	
330	D ₂ , F 240	G 210	G 290	G 250		
470	G 430	G 270	G 400			
1,000	G 510	Size Code Maximum permissible ripple current[mA(rms) at 105°C, 120Hz]				