

CH

Series

High voltage, 3000 hours load life

- Operating with wide temperature range -40 ~ +105°C
- Load life of 3000 hours
- RoHS Compliance

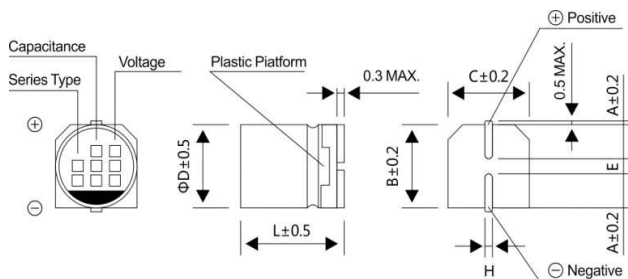


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■ SPECIFICATIONS

Item	Characteristics		
Operation Temperature Range	-40 ~ +105℃		
Voltage Range	160 ~ 450V		
Capacitance Range	3.3 ~ 100μF		
Capacitance Tolerance	± 20 % (at 120Hz , 20℃)		
Leakage Current	WV(V)	160 ~ 450	
	Time	After 2 minutes (application of rated voltage)	
	L.C.	I≤0.01CV or +100μA, whichever is greater	
Dissipation Factor (MAX) (tanδ) (at 120Hz ,20℃)	WV(V)	160~250	400, 450
	tanδ	0.20	0.25
Low Temp.Impedance Stability at 120Hz	WV(V)	160~250	400, 450
	Z(-25℃)/ Z(+20℃)	2	4
	Z(-40)℃/ Z(+20℃)	6	10
Load Life	After 3000hrs. application of the rated voltage at 105℃,they meet the characteristics listed below.		
	Capacitance change	Within ±20% of initial value	
	Dissipation Factor	200% or less of initial specified value	
	Leakage Current	initial specified value or less	
Shelf Life	After leaving capacitors under no load at 105℃ for 1000 hours, they meet the specified value for load life characteristics listed above.		
Resistance to Soldering Heat	After reflow soldering and restored at room temperature, they meet the characteristics listed below.		
	Capacitance change	Within ±10% of initial value	
	Dissipation Factor	initial specified value or less	
	Leakage Current	initial specified value or less	
Marking	Black print on the case top		

■ DRAWING (Unit: mm)



•A pressure relief vent is attached to products over $\Phi D=12.5$

■ DIMENSIONS (Unit: mm)

$\Phi D \times L$	10x13.5	12.5x13.5	12.5x16	16x16.5
A	3.3	4.9	4.9	5.8
B	10.4	13.0	13.0	17.0
C	10.4	13.0	13.0	17.0
$E \pm 0.2$	4.7	4.7	4.7	6.4
L	13.5	13.5	16.0	16.5
H	0.9~1.2	0.9~1.2	0.9~1.2	0.9~1.2

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■ DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV μF Code		160		200		250		350	
		2C		2D		2E		2V	
4.7	4R7					10x13.5	65	10x13.5	85
10	100			10x13.5	75	10x13.5	75	12.5x13.5	105
22	220	10x13.5	50	12.5x13.5	105	12.5x13.5	105	16x16.5	130
33	330	12.5x13.5	95	12.5x13.5	120	16x16.5	135		
47	470	12.5x13.5 (16x16.5)	205 (240)			16x16.5	220	Case size	Ripple current
100	101	16x16.5	250	16x16.5	250				

WV μF Code		400		450	
		2G		2W	
3.3	3R3	8x13.5 (10x13.5)	35 (40)	8x13.5 (10x13.5)	35 (40)
4.7	4R7	10x13.5	45	10x13.5 (12.5x13.5)	42 (45)
10	100	12.5x13.5	50	12.5x13.5	55
22	220	16x16.5	85	16x16.5	85
33	330	16x16.5	100	16x16.5 Case size	100 Ripple current

• Case size ΦDxL (mm), ripple current (mA rms) at 105℃, 120Hz

■ FREQUENCY COEFFICIENT OF ALLOWABLE RIPPLE CURRENT

Frequency	~50Hz	120Hz	300Hz	1KHz	10KHz~
Coefficient	0.75	1.00	1.35	1.57	2.00