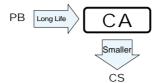
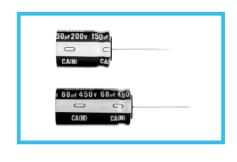




- Suited for ballast application.
- Compliant to the RoHS directive (2002/95/EC).

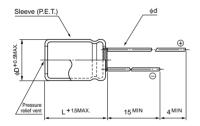




### ■Specifications

Item	Performance Characteristics							
Category Temperature Range	-25 to +105°C							
Rated Voltage Range	160 to 450V							
Rated Capacitance Range	6.8 to 220µF							
Capacitance Tolerance	±20% at 120Hz, 20°C							
Leakage Current	After 1 minute's application of rated voltage, leakage current is not more than 0.04CV+100 (µA)							
	Measurement frequency : 120Hz, Temperature : 20°C							
Tangent of loss angle (tan δ)	Rated voltage (V)   160   200   250   350   400   450							
	tan δ (MAX.) 0.15 0.15 0.20 0.20 0.20							
	Measurement frequency : 120Hz							
Stability at Low Temperature	Rated voltage (V) 160 200 250 350 400 450							
	Impedance ratio ZT / Z20 (MAX.) Z-25°C / Z+20°C 3 3 3 6 6 6							
	The specifications listed at right shall be met when the							
	capacitors are restored to 20°C after D.C. bias plus rated  Capacitance change   Within ±20% of the initial capacitance value							
Endurance	ripple current is applied for 12000 hours (10000 hours for tan δ 200% or less than the initial specified value							
	φD=10) at 105°C, the peak voltage shall not exceed the rated voltage.  Leakage current Less than or equal to the initial specified value voltage.							
Shelf Life	After storing the capacitors under no load at 105°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they shall meet the specified values for the endurance characteristics listed above.  Printed with white color letter on dark brown sleeve.							
Marking								

#### Radial Lead Type

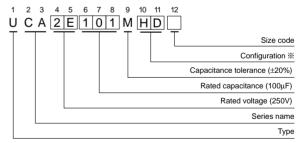




				(mm)
φD	10	12.5	16	18
Р	5.0	5.0	7.5	7.5
φd	0.6	0.6	0.8	0.8

• Please refer to page 20 about the end seal configulation.

# Type numbering system (Example : 250V 100μF)



 Configuration

 \$\phi\$ D
 Pb-free leadwire Pb-free PET sleeve

 10
 PD

 12.5 to 18
 HD



### Dimensions

Con	V	160		200		250		350		400		450	
Cap. (μF)	Code	2C		2D		2E		2V		2G		2W	
6.8	6R8		 		 		 	10 × 16	220	10 × 16	220	10 × 20	150
10	100	10×16	250	10 × 16	250	10 × 20	300	10 × 20	280	10 × 20	280	12.5 × 20	320
22	220	10 × 20	500	10 × 20	500	12.5 × 20	600	12.5 × 20	350	12.5 × 20	430	16 × 25	560
22	220	10 × 20	300	10 × 20	300	12.5 \ 20	000	12.5 \( \times 20		<b>▲</b> 16 × 20	600	<b>▲</b> 18×20	560
33	330	10 × 20	565	12.5 × 20	600	12.5 × 20	630	16 × 20	600	16 × 25	640	16 × 31.5	700
33	330	10 × 20	1 303	12.5 \ 20	1	12.3 \ 20	1 030	10 × 20	1 600	<b>▲</b> 18 × 20	640	<b>▲</b> 18×25	700
47	470	12.5 × 20	725	12.5 × 20	780	12.5 × 25	720	16 × 25	700	16 × 31.5	840	- 18 × 31.5	900
47	470	12.5 \ 20	725   	12.5 \ 20	, 760   	<b>▲</b> 16 × 20	750	<b>▲</b> 18 × 20	750	<b>▲</b> 18 × 25	840		
68	680	12.5 × 25	950	12.5 × 25	950	16 × 25	1000	16 × 31.5	1100	18 × 31.5	1000	0	
08	000	<b>▲</b> 16 × 20	970	<b>▲</b> 16 × 20	970	<b>▲</b> 18 × 20	920	<b>▲</b> 18 × 25	875	18 × 31.5	1000		<u> </u>
100	101	16 × 25	1280	16 × 25	1280	16 × 31.5	1400						
100	101	<b>▲</b> 18 × 20	1180	<b>▲</b> 18 × 20	1180	<b>▲</b> 18 × 25	1345					i i	
150	151	16 × 31.5	1360	16 × 31.5	1360	10 V 21 F	1500						
150	151	<b>▲</b> 18 × 25	1360	<b>▲</b> 18 × 25	1360	18 × 31.5	1 1000					ļ	ı
220	221	16 × 31.5	1400	18 × 31.5	1 4700		 					Case size	*
220	221	▲ 18 × 25	1400	10 \ 31.3	1700		:					$\phi D \times L (mm)$	*

<sup>※:</sup> Rated ripple current (mArms) at 105°C 100kHz

## • Frequency coefficient of rated ripple current

	Frequency	50Hz	120Hz	1kHz	10kHz	100kHz or more	
I	Coefficient	0.40	0.50	0.80	0.90	1.00	

<sup>▲:</sup> In this case, 6 will be put at 12th digit of type numbering system.