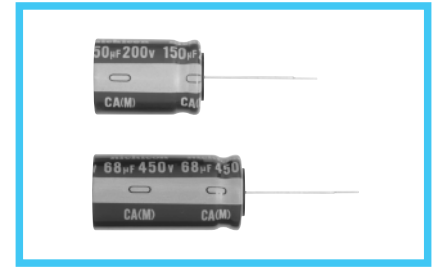
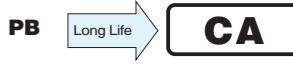




Miniature Sized, High Ripple Current, Long Life



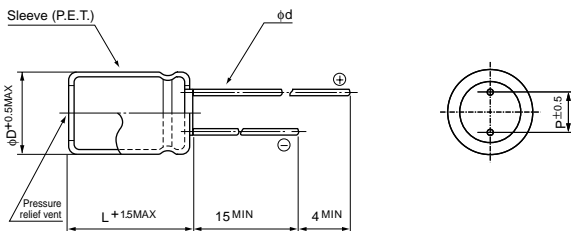
- High ripple current and Long Life product withstanding load life of 10000 hours at +105°C.
- Suited for ballast application.



Specifications

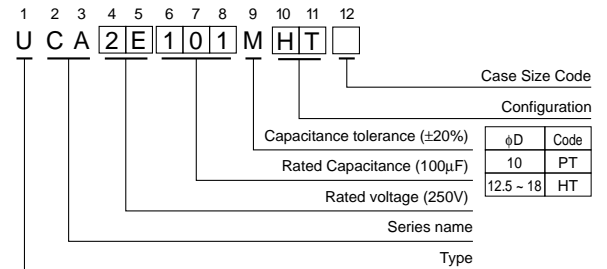
Item	Performance Characteristics														
Category Temperature Range	-25 ~ +105°C														
Rated Voltage Range	160 ~ 450V														
Rated Capacitance Range	6.8 ~ 220µF														
Capacitance Tolerance	±20% at 120Hz, 20°C														
Leakage Current	After 1 minutes' application of rated voltage, leakage current is not more than 0.04CV+100 (µA) , whichever is greater.														
tan δ	Measurement frequency : 120Hz, Temperature : 20°C														
	<table border="1"> <tr> <td>Rated voltage (V)</td> <td>160</td> <td>200</td> <td>250</td> <td>350</td> <td>400</td> <td>450</td> </tr> <tr> <td>tan δ (MAX.)</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.20</td> <td>0.20</td> <td>0.20</td> </tr> </table>	Rated voltage (V)	160	200	250	350	400	450	tan δ (MAX.)	0.15	0.15	0.15	0.20	0.20	0.20
Rated voltage (V)	160	200	250	350	400	450									
tan δ (MAX.)	0.15	0.15	0.15	0.20	0.20	0.20									
Stability at Low Temperature	Measurement frequency : 120Hz														
	<table border="1"> <tr> <td>Rated voltage (V)</td> <td>160</td> <td>200</td> <td>250</td> <td>350</td> <td>400</td> <td>450</td> </tr> <tr> <td>Impedance ratio ZT / Z20 (MAX.)</td> <td>Z-25°C / Z+20°C</td> <td>3</td> <td>3</td> <td>3</td> <td>6</td> <td>6</td> <td>6</td> </tr> </table>	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
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								
Endurance	<p>After an application of D.C. bias voltage plus the rated ripple current for 10000 hours (8000 hours for D =10) at 105°C the peak voltage shall not exceed the rated D.C. voltage, capacitors meet the characteristic requirements listed at right.</p> <table border="1"> <tr> <td>Capacitance change</td> <td>Within ±20% of initial value</td> </tr> <tr> <td>tan δ</td> <td>200% or less of initial specified value</td> </tr> <tr> <td>Leakage current</td> <td>Initial specified value or less</td> </tr> </table>	Capacitance change	Within ±20% of initial value	tan δ	200% or less of initial specified value	Leakage current	Initial specified value or less								
Capacitance change	Within ±20% of initial value														
tan δ	200% or less of initial specified value														
Leakage current	Initial specified value or less														
Shelf Life	After leaving capacitors under no load at 105°C for 1000 hours, they meet the specified value for endurance characteristics listed above.														
Marking	Printed with white color letter on dark brown sleeve.														

Radial Lead Type



φD	10	12.5	16	18
P	5.0	5.0	7.5	7.5
φd	0.6	0.6	0.8	0.8

Type numbering system (Example : 250V 100µF)



Please refer to page 18, 19, 20 about the formed or taped product spec.
Please refer to page 3 for the minimum order quantity.

■ Dimension table in next page.



■ Dimensions

D × L (mm)

Cap	Code	160		200		250		350		400		450	
		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	280	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
		▲ 16 × 20								▲ 16 × 20	430	▲ 18 × 20	560
33	330	10 × 20	500	12.5 × 20	600	12.5 × 20	600	16 × 20	500	16 × 25	640	16 × 31.5	700
										▲ 18 × 20	640	▲ 18 × 25	700
47	470	12.5 × 20	660	12.5 × 20	660	12.5 × 25	720	16 × 25	660	16 × 31.5	840	18 × 31.5	880
						▲ 16 × 20	720	▲ 18 × 20	660	▲ 18 × 25	840		
68	680	12.5 × 25	760	12.5 × 25	760	16 × 25	920	16 × 31.5	850	18 × 31.5	1000		
		▲ 16 × 20	760	▲ 16 × 20	760	▲ 18 × 20	920	▲ 18 × 25	850				
100	101	16 × 25	1120	16 × 25	1120	16 × 31.5	1200						
		▲ 18 × 20	1120	▲ 18 × 20	1120	▲ 18 × 25	1200						
150	151	16 × 31.5	1360	16 × 31.5	1360	18 × 31.5	1500						
		▲ 18 × 25	1360	▲ 18 × 25	1360								
220	221	16 × 31.5	1400	18 × 31.5	1700							Case size	※
		▲ 18 × 25	1400										

※: Rated Ripple (Arms) at 105°C 100kHz
 ▲: In this case, [6] will be put at 12th digit of type numbering system.

■ Frequency coefficient of rated ripple current

Frequency	120Hz	1kHz	10kHz	100kHz ~
Coefficient	0.50	0.80	0.90	1.00