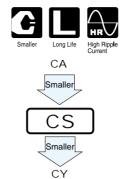
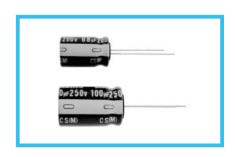
CS

Miniature Sized, High Ripple Current, High Reliability

series

- High ripple current and Long Life product withstanding load life of 8000 to 10000 hours at +105°C.
- Suited for ballast application.
- Compliant to the RoHS directive (2002/95/EC).

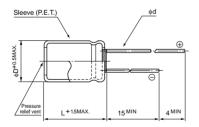




### ■Specifications

Item	Performance Characteristics										
Category Temperature Range	-40 to +105°C (160 to 400V), -25 to +105°C (450V)										
Rated Voltage Range	160 to 450V										
Rated Capacitance Range	6.8 to 330µF										
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	frequenc	cy : 120	)Hz,	Temperatur	e : 20°C				
Tangent of loss angle (tan $\delta$ )	Rated voltage (V) 160	200 2	50	350		400	450				
	tan δ (MAX.) 0.20	0.20 0.	20	0.24		0.24	0.24				
	Measurement frequency : 120Hz										
Ctability at Law Taganasatura	Rated voltage (	16	60	200	250	350	400	450	]		
Stability at Low Temperature	Impedance ratio ZT / Z20 (MAX.)	Z-25°C / Z+20°			3	3	5	5	6		
	,	Z-40°C / Z+20°	C 6	5	6	6	6	6	-		
	The specifications listed at right	shall be met wh	en the								
	capacitors are restored to 20°C					e change				<b>⊣</b> ∣	
Endurance	ripple current is applied for 1000		L	tan δ		200% or less than the initial specified value			4		
	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.										
Marking	Printed with white color letter on	dark brown sle	eve.								

### Radial Lead Type

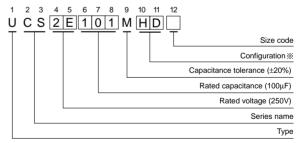




				(mm)
φD	10	12.5	16	18
Р	5.0	5.0	7.5	7.5
φd	0.6	0.6	0.8	0.8
	•			•

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

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



 Configuration
 Pb-free leadwire Pb-free PET sleeve

 10
 PD

 12.5 to 18
 HD

Please refer to page 20, 21, 22 about the formed or taped product spec. Please refer to page 4 for the minimum order quantity.



### Dimensions

V		160		200		250		350		400		450	
Сар	Code	2C		2D		2E		2V		2G		2W	
6.8	6R8						 	10×16	280	10×16	280	10 × 20	280
10	100	10×16	320	10×16	320	10 × 20	350	10 × 20	350	10 × 20	350	12.5 × 20	450
15	150		 				 		 	12.5 × 20	550	12.5 × 25	600
22	220	10 × 20	500	10 × 20	500	10 × 20	500	12.5 × 20	650	12.5 × 20	760	16 × 20	730
33	330	10 × 20	650	10× 20	650	12.5 × 20	800	16 × 20	900	16×20	900	16 × 25	980
33	330	10 × 20	030	10 \ 20	030	12.5 \ 20	1 000	10 × 20	1 900	10 × 20	900	<b>▲</b> 18 × 20	980
47	470	10×20	750	12.5 × 20	980	12.5 × 20	980	16 × 20	¦ ¦ 1080	16 × 25	1180	18 × 25	1200
47	470	10 \ 20	730 	12.3 \ 20	1 900 1	12.3 \ 20	1 900 1	10 × 20	1000   	<b>▲</b> 18 × 20	1180	10 \ 23	
68	680	12.5 × 20	1180	12.5 × 20	1300	16 × 20	1300	16 × 25	1400	18×25	1470	18 × 31.5	1575
00	000	12.5 \( \times 20	1100	12.5 \ 20	1300	10 × 20	1300	<b>▲</b> 18 × 20	1375			10 \ 31.5	13/3
82	820	12.5 × 20	1275	16 × 20	1380	16 × 20	1380	18 × 25	1530	18 × 25	1525		<u> </u>
100	101	12.5 × 25	1420	16×20 14	1420	16 × 25	1530	530 18 × 25	1575				ı
100	101	<b>▲</b> 16 × 20	1420	10 \ 20	1420   	10 \ 23	1330   	10 \ 25	1373   		   		I
150	151	16 × 20	1890	16 × 25	1890	18 × 25	1940		 		   		i I
220	221	16×25	2370	18 × 25	2365	18 × 31.5	3130		 		 	Case size	· *
330	331	18 × 31.5	3130	18 × 35.5	3220						I I	$\phi D \times L \text{ (mm)}$	**

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

# • Frequency coefficient of rated ripple current

Frequency	50Hz	120Hz	1kHz	10kHz	100kHz or more
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.