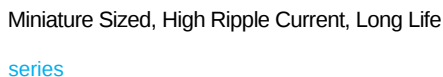
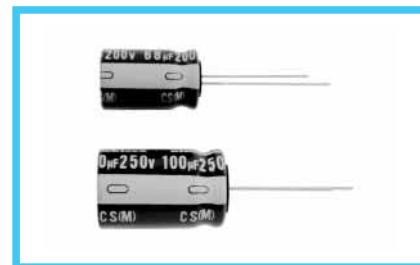
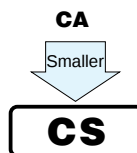


nichicon

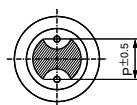


- High ripple current and Long Life product withstanding load life of 8000 to 10000 hours at +105°C.
- Suited for ballast application.
- Adapted to the RoHS directive (2002/95/EC).



Item	Performance Characteristics												
Category Temperature Range	-40 ~ +105°C (160 ~ 400V) , -25 ~ +105°C (450V)												
Rated Voltage Range	160 ~ 450V												
Rated Capacitance Range	6.8 ~ 330μF												
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												
	Rated voltage (V)	160	200	250	350	400	450						
	tan δ (MAX.)	0.20	0.20	0.20	0.24	0.24	0.24						
Stability at Low Temperature	Measurement frequency : 120Hz												
	Rated voltage (V)			160	200	250	350 400 450						
	Impedance ratio ZT / Z20 (MAX.)	Z-25°C / Z+20°C	3	3	3	5	5 6						
		Z-40°C / Z+20°C	6	6	6	6	6 -						
Endurance	After an application of D.C. bias voltage plus the rated ripple current for 10000 hours (8000 hours for φD =10) at 105°C the peak voltage shall not exceed the rated D.C. voltage, capacitors meet the characteristic requirements listed at right.												
	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.												

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



1 2 3 4 5 6 7 8 9 10 11 12

U C S 2 E 1 0 1 M H D

Type

Series name

Rated voltage (250V)

Rated Capacitance (100μF)

Capacitance tolerance (±20%)

Configuration※

Size code

ϕ D	Pb-free leadwire Pb-free PET sleeve
10	PD
12.5 ~ 18	HD

● Dimension table in next page.

■ Dimensions

φD × L (mm)

Cap	Code	V		160		200		250		350		400		450	
				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	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	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 × 20	900	16 × 25	980
														▲ 18 × 20	980
47	470	10 × 20	750	12.5 × 20	980	12.5 × 20	980	16 × 20	1080	16 × 25	1180	16 × 25	1180	18 × 25	1200
68	680	12.5 × 20	1180	12.5 × 20	1300	16 × 20	1300	16 × 25	1400	16 × 25	1470	18 × 25	1470	18 × 31.5	1575
82	820	12.5 × 20	1275	16 × 20	1380	16 × 20	1380	18 × 25	1530	18 × 25	1525				
100	101	12.5 × 25	1420	16 × 20	1420	16 × 25	1530	18 × 25	1575						
		▲ 16 × 20	1420												
150	151	16 × 20	1890	16 × 25	1890	18 × 25	1940								
220	221	16 × 25	2370	18 × 25	2365	18 × 31.5	3130							Case size	※
330	331	18 × 31.5	3130	18 × 35.5	3220										

※: Rated Ripple (mA rms) 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