



Miniature Sized, High Ripple Current, Long Life

series



Smaller

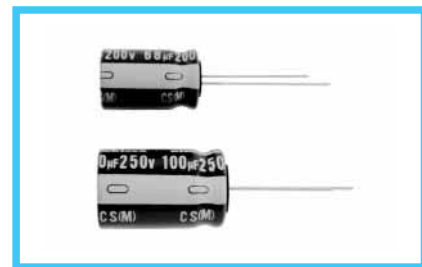
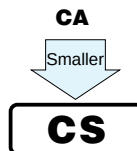


Long Life



High Ripple Current

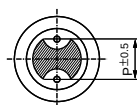
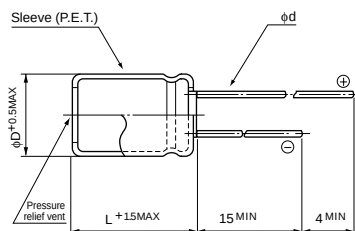
- High ripple current and Long Life product withstanding load life of 8000 to 10000 hours at +105°C.
- Suited for ballast application.
- Adapted to the RoHS directive (2002/95/EC).



Specifications

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 ϕ D =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.												

Radial Lead Type



	(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

Type numbering system (Example : 250V 100μF)

1	2	3	4	5	6	7	8	9	10	11	12
U	C	S	2	E	1	0	1	M	H	D	
									Size code		
									Configuration※		
									Capacitance tolerance (±20%)		
									Rated Capacitance (100μF)		
									Rated voltage (250V)		
									Series name		
Type											

※ Configuration

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

Please refer to page 21, 22, 23 about the formed or taped product spec.
Please refer to page 3 for the minimum order quantity.

● 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	760	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