

nichicon

CS

series



Smaller

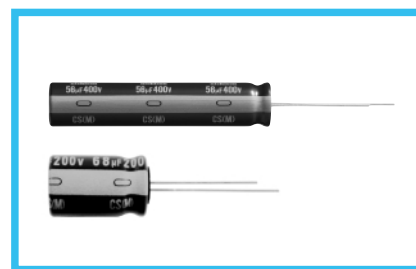


Long Life



High Ripple
Current

- CA
↓
Smaller
CS
↓
Smaller
CP CY

[illegible]

Technical drawing of the 1000 Series Plug Valve. The side view shows a valve with a handle on the right. Dimensions include:

- Overall length: $L + 15 \text{ MAX.}$
- Distance from handle to plug: 15 MIN
- Distance from plug to end: 4 MIN
- Plug diameter: ϕd
- Internal thread: $\phi D \times 0.5 \text{ MAX.}$
- Pressure relief vent: Indicated by a dashed line and label.

 The end view shows a circular plug with a cross-shaped slot and a diameter of $\phi 10.5$.

Technical drawing of a sleeve (P.E.T.) showing dimensions and specifications. The drawing includes a side view and a cross-sectional view.

Dimensions:

- $\phi D \pm 0.5 \text{ MAX.}$ (Outer diameter)
- $L \pm 2.0 \text{ MAX.}$ (Length)
- 15^{MIN} (Distance from end to vent)
- 4^{MIN} (Distance from vent to end)

Labels:

- Sleeve (P.E.T.)
- Pressure relief vent
- ϕd (Vent diameter)
- $\oplus$ (Positive terminal)
- $\ominus$ (Negative terminal)

Table (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

Cross-sectional view:

- Shows the internal structure with two terminals.
- Dimension $p \pm 0.5$ is indicated.

Diagram illustrating the marking scheme for a capacitor, showing the sequence of characters and their corresponding specifications:

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

※2: Refer to Table 1 for details.

※Configuration		
Size code ※2	Blank, 6	9
φ D	Pb-free leadwire Pb-free PET sleeve	Pb-free leadwire Pb-free PET sleeve
10	PD	ND
12.5 to 18	HD	NY

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

- Dimension table in next page.

CAT.8100C

■ Dimensions

V		160		200		250		350		400		450	
Cap	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
												▲ 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
										▲ 18 × 20	1180		
68	680	12.5 × 20	1180	12.5 × 20	1300	16 × 20	1300	16 × 25	1400	18 × 25	1470	18 × 31.5	1575
								▲ 18 × 20	1375				
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							φD × L (mm)	

※: Rated ripple current (mArms) at 105°C 100kHz

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

Pencil-shaped Type

V		200		250		400		450	
Cap. (μF)	Code	2D		2E		2G		2W	
27	270							● 10 × 40	580
33	330							● 10 × 40	720
39	390					● 10 × 40	800	● 10 × 50	820
56	560					● 10 × 50	1040		
68	680							● 12.5 × 50	1340
82	820			● 10 × 40	1220	● 12.5 × 50	1400		
100	101	● 10 × 40	1260	● 10 × 50	1360				
120	121	● 10 × 40	1360						
150	151	● 10 × 50	1660						
180	181			● 12.5 × 50	2070			Case size	※
270	271	● 12.5 × 50	2530					φD × L (mm)	

Rated ripple current (mArms) at 105°C 100kHz

●: In this case, 9 will be put at 12th digit of type numbering system.

• 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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Nichicon:

[UCS2C101MHD6](#) [UCS2C151MHD](#) [UCS2C220MPD](#) [UCS2C221MHD](#) [UCS2D820MHD](#) [UCS2E100MPD](#)
[UCS2E101MHD](#) [UCS2E151MHD](#) [UCS2G6R8MPD](#) [UCS2G820MHD](#) [UCS2V100MPD](#) [UCS2V101MHD](#)
[UCS2V220MHD](#) [UCS2W6R8MPD](#) [UCS2C100MPD](#) [UCS2C101MHD](#) [UCS2D221MHD](#) [UCS2D330MPD](#)
[UCS2D331MHD](#) [UCS2D470MHD](#) [UCS2D680MHD](#) [UCS2G330MHD](#) [UCS2G470MHD](#) [UCS2G470MHD6](#)
[UCS2G680MHD](#) [UCS2D100MPD](#) [UCS2D101MHD](#) [UCS2D151MHD](#) [UCS2D220MPD](#) [UCS2E820MHD](#)
[UCS2G100MPD](#) [UCS2G150MHD](#) [UCS2G220MHD](#) [UCS2V6R8MPD](#) [UCS2V820MHD](#) [UCS2W100MHD](#)
[UCS2W150MHD](#) [UCS2W220MHD](#) [UCS2C330MPD](#) [UCS2C331MHD](#) [UCS2C470MPD](#) [UCS2C680MHD](#)
[UCS2C820MHD](#) [UCS2E220MPD](#) [UCS2E221MHD](#) [UCS2E330MHD](#) [UCS2E470MHD](#) [UCS2E680MHD](#)
[UCS2V330MHD](#) [UCS2V470MHD](#) [UCS2V680MHD](#) [UCS2V680MHD6](#) [UCS2W330MHD](#) [UCS2W330MHD6](#)
[UCS2W470MHD](#) [UCS2W680MHD](#) [UCS2G100MHD](#) [UCS350VOLT-KIT](#) [UCS400VOLT-KIT](#) [UCS450VOLT-KIT](#)
[UCS2V101MHD1TN](#) [UCS2D220MPD1TD](#) [UCS2V330MHD1TN](#) [UCS2V820MHD1TN](#) [UCS2V470MHD1TN](#)
[UCS2W470MHD1TN](#) [UCS2C470MPD1TD](#) [UCS2G470MHD6TN](#) [UCS2C101MHD6TN](#) [UCS2D470MHD1TO](#)
[UCS2V6R8MPD1TD](#) [UCS2W220MHD1TN](#) [UCS2W330MHD6TN](#) [UCS2E680MHD1TN](#) [UCS2G220MHD1TO](#)
[UCS2W100MHD1TO](#) [UCS2G820MHD1TN](#) [UCS2C220MPD1TD](#) [UCS2G100MPD1TD](#) [UCS2E220MPD1TD](#)
[UCS2C101MHD1TO](#) [UCS2C151MHD1TN](#) [UCS2D100MPD1TD](#) [UCS2E330MHD1TO](#) [UCS2C330MPD1TD](#)
[UCS2G150MHD1TO](#) [UCS2V680MHD6TN](#) [UCS2W330MHD1TN](#) [UCS2E100MPD1TD](#) [UCS2W6R8MPD1TD](#)
[UCS2D101MHD1TN](#)