

### Surface Mount Type

Series: CD/UD/UE

Type: XR

# SP-Cap

Japan



- Features
  - Lower ESR
  - Higher Ripple Current

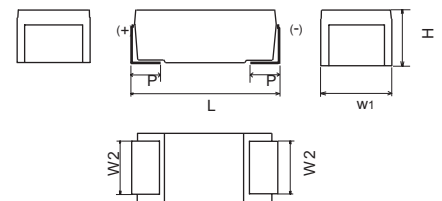
■ Specifications

Operating Temp. Range	-40 to +105°C	
Rated W.V. Range	2 to 8 V. DC	
Nominal Cap. Range	33 to 390 $\mu$ F	
Capacitance Tolerance	$\pm$ 20 % (120Hz/+20°C)	
DC Leakage Current	$I < 0.06 CV$ after 2 minutes (2W.V., 2.5W.V., 4W.V.), $I < 0.04 CV$ after 2 minutes (6.3W.V., 8W.V.)	
Dissipation Factor	0.06 max (CD), 0.10 max (UD/UE) (120Hz / +20°C)	
Surge Voltage	Rated Working Voltage x 1.25 (+15 to +35°C)	
Endurance	After applying rated working voltage for 1000 hours at + 105 $\pm$ 2°C, and then being stabilized at +20°C, the capacitor shall meet the following limits.	
	Capacitance change	$\pm$ 10% of initial measured value
	D.F.	$\leq$ Initial specified value
Moisture Resistance	After storing for 500 hours at +60°C, 90%R.H.	
	Capacitance change	2, 2.5W.V.: +70%,-20%, 4W.V.: +60%,-20%, 6.3W.V.: +50%,-20%, 8W.V.: +40%,-20% of initial measured value.
	D.F.	$\leq$ 200% of initial specified value
DC leakage current	Initial specified value	

■ Standard product

Series	Rated W.V. (V.DC)	Capacitance ( $\pm$ 20%) ( $\mu$ F)	Specification		Part Number	Min Pkg Q'ty (pcs)
			Ripple Current (A r.m.s./100kHz) +20 to 105°C	ESR ( $\Omega$ ) Max. (100kHz/+20°C)		
CD	2	100	2.7	0.015	EEFCD0D101XR	3500
		120	2.7	0.015	EEFCD0D121XR	3500
	2.5	82	2.7	0.015	EEFCD0E820XR	3500
		100	2.7	0.015	EEFCD0E101XR	3500
	4	56	2.7	0.015	EEFCD0G560XR	3500
		68	2.7	0.015	EEFCD0G680XR	3500
		82	2.7	0.015	EEFCD0G820XR	3500
	6.3	47	2.7	0.015	EEFCD0J470XR	3500
68		2.7	0.015	EEFCD0J680XR	3500	
8	33	2.7	0.015	EEFCD0K330XR	3500	
	UD	2	270	3.3	0.012	EEFUD0D271XR
220			3.3	0.012	EEFUD0D221XR	2000
2.5		220	3.3	0.012	EEFUD0E221XR	2000
		180	3.3	0.012	EEFUD0E181XR	2000
4		150	3.3	0.012	EEFUD0G151XR	2000
		120	3.3	0.012	EEFUD0G121XR	2000
6.3		120	3.3	0.012	EEFUD0J121XR	2000
		100	3.3	0.012	EEFUD0J101XR	2000
8	68	3.3	0.012	EEFUD0K680XR	2000	
	UE	2	390	3.5	0.010	EEFUE0D391XR
330			3.5	0.010	EEFUE0D331XR	2000
2.5		330	3.5	0.010	EEFUE0E331XR	2000
		270	3.5	0.010	EEFUE0E271XR	2000
4		220	3.5	0.010	EEFUE0G221XR	2000
		180	3.5	0.010	EEFUE0G181XR	2000
6.3		180	3.5	0.010	EEFUE0J181XR	2000
		150	3.5	0.010	EEFUE0J151XR	2000
8	100	3.5	0.010	EEFUE0K101XR	2000	

■ Dimensions in mm (not to scale)



Series	L $\pm$ 0.2	W1 $\pm$ 0.2	W2 $\pm$ 0.1	H $\pm$ 0.1	P $\pm$ 0.3
CD	7.3	4.3	2.4	1.8	1.3
UD	7.3	4.3	2.4	2.8 <sup>max</sup>	1.3
UE	7.3	4.3	2.4	4.2	1.3

■ Marking

