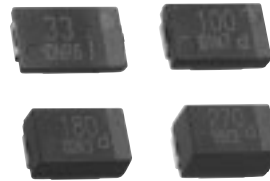
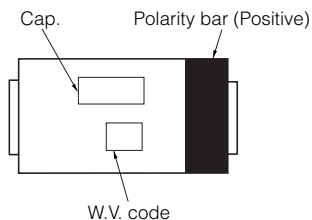
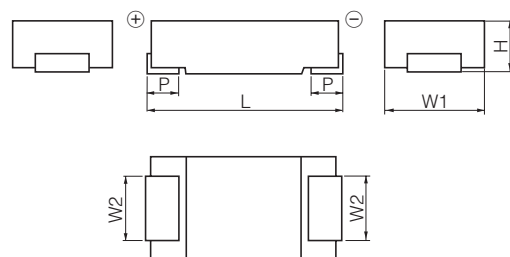


NEWSurface Mount Type **SP-Cap**Series: **FD, CD, CX, UD, UE**
■ Features

- Low ESR
- Excellent Noise-absorbent Characteristics
- RoHS directive compliant

■ Specifications

Series & Size Code	FD	CD	CX	UD	UE
Category Temp. Range	-40 °C to +105 °C				
Rated W.V.Range	2 V.DC to 12.5 V.DC	2 V.DC to 16 V.DC	2 V.DC to 6.3 V.DC	2 V.DC to 8 V.DC	2 V.DC to 8 V.DC
Nominal Cap.Range	15 μF to 68 μF	2.2 μF to 220 μF	100 μF to 470 μF	68 μF to 470 μF	100 μF to 560 μF
Capacitance Tolerance	±20 %				
DC Leakage Current	Reflow 240 °C : $I \leq 0.06 CV$ 2minutes (2 V.DC to 4 V.DC) $I \leq 0.04 CV$ or $3 \mu A$ 2 minutes (6.3 V.DC to 16 V.DC) (Whichever is greater) Reflow 260 °C : $I \leq 0.1 CV$ 2 minutes				
$\tan \delta$	≤ 0.06 (120 Hz/+20 °C)			≤ 0.10 (120 Hz/+20 °C)	
Surge Voltage	Rated Working Voltage \times 1.25 (15 °C to 35 °C)				
Endurance	After applying rated working voltage for 1000 hours at 105 °C±2 °C, and then being stabilized at +20 °C, capacitor shall meet the following limits.				
	Capacitance change	±10% of initial measured value			
	$\tan \delta$	\leq Initial specified value			
	DC leakage current	\leq Initial specified value			
Moisture resistance	After storing for 500 hours at 60 °C, 90 %				
	Capacitance change of initial measured value	2, 2.5 V.DC	4 V.DC	6.3 V.DC	8 V.DC to 16 V.DC
		+70, -20 %	+60, -20 %	+50, -20 %	+40, -20 %
	$\tan \delta$	≤ 200 % of initial specified value			
DC leakage current	\leq Initial specified value				

■ Marking

■ Dimensions in mm(not to scale)


Series & Size Code	$L \pm 0.2$	$W1 \pm 0.2$	$W2 \pm 0.1$	H	$P \pm 0.3$
FD	7.3	4.3	2.4	1.1±0.1	1.3
CD	7.3	4.3	2.4	1.8±0.1	1.3
CX	7.3	4.3	2.4	1.9±0.2	1.3
UD	7.3	4.3	2.4	2.8±0.2	1.3
UE	7.3	4.3	2.4	4.2±0.1	1.3

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

02 Dec. 2008

