

### Surface Mount Type **SP-Cap**

Series: UD

Japan

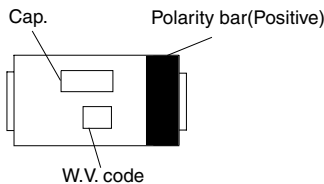


- Features Excellent Noise-absorbent Characteristics  
3.1mm height

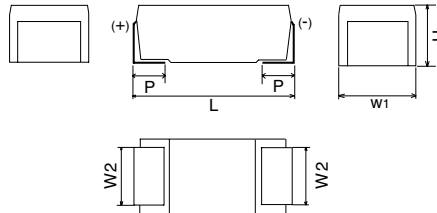
#### ■ Specification

Category temperature Range	-40 to +105°C	
Rated W.V.Range	2 to 8 V.DC	
Nominal Cap.Range	68 to 180 μF	
Capacitance Tolerance	±20 % (120Hz/+20°C)	
DC Leakage Current	I ≤ 0.06 CV 2minutes (2W.V., 2.5W.V., 4W.V.), I ≤ 0.04 CV 2minutes (6.3W.V., 8W.V.)	
Dissipation Factor	0.1 max.	
Surge Voltage	Rated Working Voltage x 1.25 (15 to 35°C)	
Endurance	After applying rated working voltage for 1000 hours at +105 ± 2°C, and then being stabilized at +20°C, capacitor shall meet the following limits.	
	Capacitance change	±10% of initial measured value
	D.F.	≤ Initial specified value
	DC leakage current	≤ Initial specified value
Damp heat, cyclic, steady state	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.	≤ 200% of initial specified value
	DC leakage current	≤ initial specified value

#### ■ Marking



#### ■ Dimensions in mm(not to scale)



Series	L±0.2	W1±0.2	W2±0.1	H±0.1	P±0.3
UD	7.3	4.3	2.4	3.1	1.3

#### ■ Standard product

Rated W.V. (V.DC)	Capacitance (±20%) (μF)	Case Size		Specification		Part number	Min.Packaging Q'ty (PCS)
		L x W x H (mm)	Series	Ripple current (A r.m.s./100kHz +20 to +105°C)	ESR Ω (100kHz/+20°C)		
2	180	7.3 x 4.3 x 3.1	UD	2.0	0.018	EEFUD0D181R	2000
2.5	150	7.3 x 4.3 x 3.1	UD	2.0	0.018	EEFUD0E151R	2000
4	120	7.3 x 4.3 x 3.1	UD	2.0	0.018	EEFUD0G121R	2000
6.3	100	7.3 x 4.3 x 3.1	UD	2.0	0.018	EEFUD0J101R	2000
8	68	7.3 x 4.3 x 3.1	UD	1.8	0.021	EEFUD0K680R	2000