

### Surface Mount Type

Series: **UE**

# SP-Cap

Japan



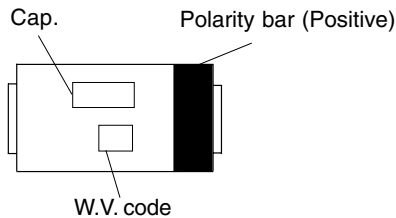
#### ■ Features

- Excellent Noise-absorbent Characteristics
- 4.2mm height

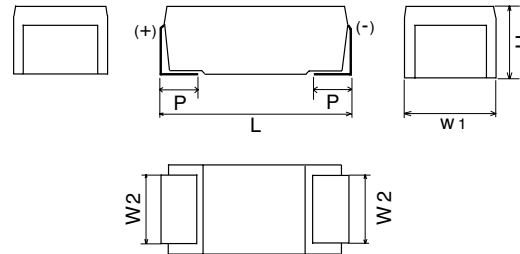
#### ■ Specifications

Operating Temp. Range	-40 to +105°C	
Rated W.V. Range	2 to 16 V. DC	
Nominal Cap. Range	22 to 470 μF	
Capacitance Tolerance	±20 % (120Hz/+20°C)	
DC Leakage Current	I < 0.06 CV after 2minutes (2W.V., 2.5W.V., 4W.V.), I < 0.04 CV after 2 minutes (6.3~16W.V.)	
Dissipation Factor	0.1 max. (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 ±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
Moisture Resistance	After storing for 500 hours at +60°C, 90%R.H.	
	Capacitance change	+40%,-20% of initial measured value (2, 2.5W.V.:+70%,-20%, 4W.V.:+60%,-20%, 6.3W.V.: +50%,-20%)
	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
UE	7.3	4.3	2.4	4.2	1.3

#### ■ Standard product

Rated W.V. (V.DC)	Capacitance (± 20%) (μF)	Specification		Part Number	Min Pkg Q'ty (pcs)
		* Ripple Current (A r.m.s./100kHz) +20 to 105°C	* ESR (mΩ) max (100kHz/+20°C)		
2	270	3.3	12	EEFUE0D271R	2000
	330	3.3	12	EEFUE0D331R	2000
	390	3.3	12	EEFUE0D391R	2000
	470	3.3	12	EEFUE0D471R	2000
2.5	220	3.3	12	EEFUE0E221R	2000
	270	3.3	12	EEFUE0E271R	2000
	330	3.3	12	EEFUE0E331R	2000
	390	3.3	12	EEFUE0E391R	2000
4	180	3.3	12	EEFUE0G181R	2000
	220	3.3	12	EEFUE0G221R	2000
6.3	150	3.3	12	EEFUE0J151R	2000
	180	3.3	12	EEFUE0J181R	2000
8	100	3.3	12	EEFUE0K101R	2000

\* Changed Ripple/ESR limits after APR/2002 production lot.