

## Surface Mount Type

Series: S

# SP-Cap

Japan



### ■ Features

- Lower ESR
- Higher Ripple Current

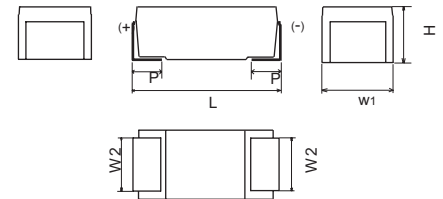
### ■ Specifications

Operating Temp. Range	-40°C to +105°C	
Rated W.V. Range	2 to 6.3 V. DC	
Nominal Cap. Range	56 to 560 μF	
Capacitance Tolerance	±20 % (120Hz/+20°C)	
DC Leakage Current	I < 0.06 CV after 2 minutes	
Dissipation Factor	0.06 max (SL/SX), 0.10 max (SD/SE) (120Hz / +20°C)	
Surge Voltage	Rated Working Voltage x 1.25 (+15°C to +35°C)	
Endurance	After applying rated working voltage for 1000 hours at + 105±2°C, and then being stabilized at +20°C, the 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	2, 2.5W.V.: +70%,-20%, 4W.V.: +60%,-20%, 6.3W.V.: +50%,-20%, of initial measured value.
	D.F.	≤ 200% of initial specified value
	DC leakage current	Initial specified value

### ■ Standard product

Series	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)		
SL	2	100	3.0	9	EEFSL0D121R	3500
		150	3.0	9	EEFSL0D151R	3500
		180	3.0	9	EEFSL0D181R	3500
	2.5	100	3.0	9	EEFSL0E101R	3500
		120	3.0	9	EEFSL0E121R	3500
		82	3.0	9	EEFSL0G820R	3500
6.3	56	3.0	9	EEFSL0J560R	3500	
SX	2	180	3.0	9	EEFSX0D181R	3500
		270	3.0	9	EEFSX0D271R	3500
		330	3.0	9	EEFSX0D331R	3500
	2.5	150	3.0	9	EEFSX0E151R	3500
		180	3.0	9	EEFSX0E181R	3500
		100	3.0	9	EEFSX0G101R	3500
6.3	68	3.0	9	EEFSX0J680R	3500	
SD	2	270	3.5	7	EEFSD0D271R	2000
		330	3.5	7	EEFSD0D331R	2000
		390	3.5	7	EEFSD0D391R	2000
	2.5	220	3.5	7	EEFSD0E221R	2000
		270	3.5	7	EEFSD0E271R	2000
		150	3.5	7	EEFSD0G151R	2000
6.3	120	3.5	7	EEFSD0J121R	2000	
SE	2	390	4.0	5	EEFSE0D391R	2000
		470	4.0	5	EEFSE0D471R	2000
		560	4.0	5	EEFSE0D561R	2000
	2.5	330	4.0	5	EEFSE0E331R	2000
		390	4.0	5	EEFSE0E391R	2000
		220	4.0	5	EEFSE0G221R	2000
6.3	180	4.0	5	EEFSE0J181R	2000	

### ■ Dimensions in mm (not to scale)



Series	L±0.2	W1±0.2	W2±0.1	H±0.1	P±0.3
SL	7.3	4.3	2.4	1.8	1.3
SX	7.3	4.3	2.4	1.9±0.2	1.3
SD	7.3	4.3	2.4	2.8±0.2	1.3
SE	7.3	4.3	2.4	4.2	1.3

### ■ Marking

