

Surface Mount Type

SP-Cap

Series: S

- Features Super Low-ESR(5 to 9mΩ)
Lower ESR and Higher Capacitance
at the same case size as conventional products.
Excellent Noise-absorbent Characteristics
High Ripple Current

Country of Origin

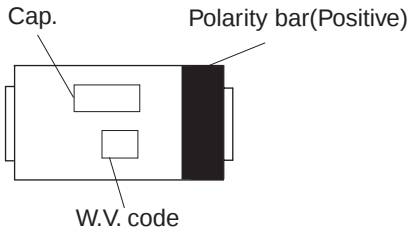
Japan
Singapore



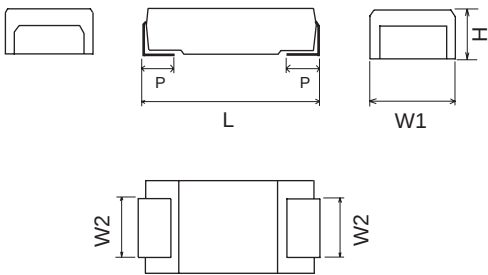
■ Specification

Series & Size Code	SL	SX	SD	SE	
Category Temp.Range	-40 to +105°C				
Rated W.V.Range	2 to 6.3V.DC				
Nominal Cap.Range	56 to 150μF	68 to 220μF	120 to 330μF	180 to 470μF	
Capacitance Tolerance	±20 %				
DC Leakage Current	I ≤ 0.06 CV 2minutes(2 to 4V.DC) I ≤ 0.04CV 2minutes(6.3V.DC)				
tan δ	≤ 0.06(120Hz/ +20°C)		≤ 0.10(120Hz/ +20°C)		
Surge Voltage	Rated Working Voltage × 1.25 (15 to 35°C)				
Endurance (105 °C1000hours W.V.)	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			
	tan δ	≤ Initial specified value			
	DC leakage current	≤ Initial specified value			
Moisture resistance	After storing for 500 hours at 60°C,90%R.H.				
	Capacitance change of initial measurd value	2, 2.5V.DC	4 V.DC	6.3V.DC	
		+70, -20%	+60, -20%	+50, -20%	
	tan δ	≤ 200% of initial specified value			
DC leakage current	≤ Initial specified value				

■ Marking



■ Dimensions in mm(not to scale)



(mm)

Series & Size Code	L±0.2	W1±0.2	W2±0.1	H	P±0.3
SL	7.3	4.3	2.4	1.8±0.1	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±0.1	1.3

■ Low ESR products

Series & Size Code	Rated W.V. (V.DC)	Capacitance (±20%) (μF)	Case Size			Specification		Part number	Min.Packaging Q'ty (pcs)
			L (mm)	W (mm)	H (mm)	Ripple current (A r.m.s./100kHz +20 to +105° C)	ESR Ω (100kHz/20°C)		
SL	2	100	7.3	4.3	1.8	3.0	0.009	EEFSL0D101R	3500
		120	7.3	4.3	1.8	3.0	0.009	EEFSL0D121R	3500
		150	7.3	4.3	1.8	3.0	0.009	EEFSL0D151R	3500
	2.5	100	7.3	4.3	1.8	3.0	0.009	EEFSL0E101R	3500
		120	7.3	4.3	1.8	3.0	0.009	EEFSL0E121R	3500
	4	82	7.3	4.3	1.8	3.0	0.009	EEFSL0G820R	3500
	6.3	56	7.3	4.3	1.8	3.0	0.009	EEFSL0J560R	3500
SX	2	180	7.3	4.3	1.9	3.0	0.009	EEFSX0D181R	3500
		220	7.3	4.3	1.9	3.0	0.009	EEFSX0D221R	3500
	2.5	150	7.3	4.3	1.9	3.0	0.009	EEFSX0E151R	3500
		180	7.3	4.3	1.9	3.0	0.009	EEFSX0E181R	3500
	4	82	7.3	4.3	1.9	3.0	0.009	EEFSX0G820R	3500
		100	7.3	4.3	1.9	3.0	0.009	EEFSX0G101R	3500
	6.3	68	7.3	4.3	1.9	3.0	0.009	EEFSX0J680R	3500
SD	2	270	7.3	4.3	2.8	3.5	0.007	EEFSD0D271R	2000
		330	7.3	4.3	2.8	3.5	0.007	EEFSD0D331R	2000
		220	7.3	4.3	2.8	3.5	0.007	EEFSD0E221R	2000
	2.5	270	7.3	4.3	2.8	3.5	0.007	EEFSD0E271R	2000
		150	7.3	4.3	2.8	3.5	0.007	EEFSD0G151R	2000
	4	150	7.3	4.3	2.8	3.5	0.007	EEFSD0G151R	2000
	6.3	120	7.3	4.3	2.8	3.5	0.007	EEFSD0J121R	2000
SE	2	390	7.3	4.3	4.2	4.0	0.005	EEFSE0D391R	2000
		470	7.3	4.3	4.2	4.0	0.005	EEFSE0D471R	2000
	2.5	330	7.3	4.3	4.2	4.0	0.005	EEFSE0E331R	2000
		390	7.3	4.3	4.2	4.0	0.005	EEFSE0E391R	2000
	4	220	7.3	4.3	4.2	4.0	0.005	EEFSE0G221R	2000
	6.3	180	7.3	4.3	4.2	4.0	0.005	EEFSE0J181R	2000
		180	7.3	4.3	4.2	4.0	0.005	EEFSE0J181R	2000