

Aluminum Electrolytic Type / Surface Mount Type

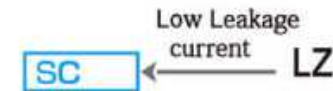
RoHS compliance

SC Series

Low leakage current



- Low leakage current (0.5~3.3 μA max.)
- 105°C 2,000hours Solvent proof (within 2 minutes)

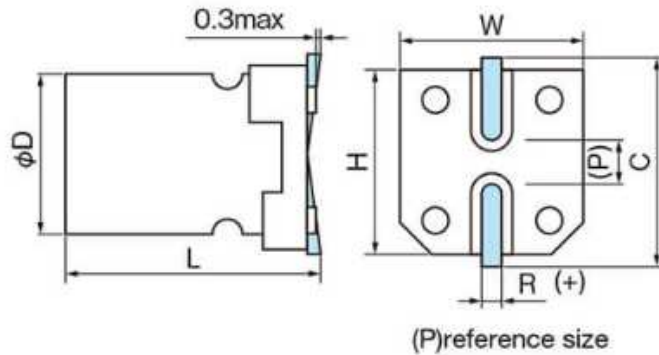
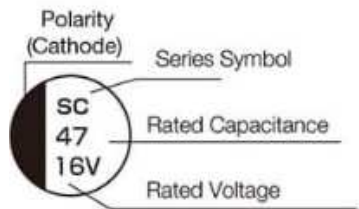


■ Specifications

Items		Condition		Specifications					
Rated voltage (V)		-		6.3	10	16	25	35	50
Surge voltage (V)		Room temperature		8.0	13	20	32	44	63
Category temperature range (°C)		-		-40 to +105					
Capacitance tolerance (%)		120Hz/20°C		M : ± 20					
Dissipation Factor (tan δ)		tan δ (max) 120Hz/20°C		0.24	0.20	0.18	0.16	0.14	0.12
Leakage current (LC)		μA /after 2minutes (max)		The greater value of either 0.002CV or 0.5 μA					
Impedance ratio at low temperature	Based on the value at 120Hz, +20°C	-25°C	Z/Z _{20°C}	4	3	2	2	2	2
		-40°C	Z/Z _{20°C}	10	7	5	3	3	3
Endurance	105°C, 2,000hours rated voltage applied (With the rated ripple current)	$\Delta\text{C}/\text{C}$		Within $\pm 20\%$ of the initial value					
		tan δ		Less than 200% of the specified value					
		LC		Less than the specified value					

■ Marking, Dimensions

[$\phi D \leq 10$] Black print on the case top



(Unit : mm)

$D \pm 0.5$	$L \pm 0.4$	$W \pm 0.2$	$H \pm 0.2$	$C \pm 0.2$	R	$P \pm 0.2$
4	5.4	4.3	4.3	5.1	0.5 to 0.8	1.0
5	5.4	5.3	5.3	6.1	0.5 to 0.8	1.3
6.3	5.4	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	7.7	6.6	6.6	7.3	0.5 to 0.8	2.2

■ Ripple Current Frequency Coefficient

Frequency:F(Hz)	50Hz	120Hz	300Hz	1kHz	10kHz≤F
Capacitance:C(μ F) All ITEM	0.70	1.00	1.17	1.30	1.50

■ Size, Impedance, Rated Ripple Current

μF \ V	6.3			10			16			25			35			50		
1.0																4x5.4	216	10
2.2																4x5.4	98	15
3.3																4x5.4	65	18
4.7										4x5.4	64.2	19	4x5.4	55.1	20	5x5.4	46	23
10							4x5.4	34.5	25	5x5.4	30.2	28	5x5.4	25.9	30	6.3x5.4	22	34
22	4x5.4	23.5	31	5x5.4	19.6	35	5x5.4	15.7	39	6.3x5.4	13.7	52	6.3x5.4	11.8	54	6.3x7.7	9.8	85
33	5x5.4	15.7	39	5x5.4	13.1	43	6.3x5.4	10.5	57	6.3x5.4	9.1	63	6.3x7.7	7.8	105			
47	5x5.4	11.0	47	6.3x5.4	9.2	59	6.3x5.4	7.3	68	6.3x7.7	6.4	100	6.3x7.7	5.5	110			
100	6.3x5.4	5.2	75	6.3x5.4	4.3	76	6.3x7.7	3.5	96									
220	6.3x7.7	2.4	85															

Impedance(Ω)
 max at 120Hz, 20°C
 Rated ripple current
 mA_{rms}(120Hz, 105°C)
 Case size: ϕ DxL(mm)