

Electrolytic SMD Capacitors



Chip type aluminium electrolytic capacitors in vertical housing. Designed for surface mounting on high density PC board. Complied to the RoHS directive.



ES-SC Series

Technical drawings for ES-SC capacitors showing top, side, and end views with dimensions and labels. Dimensions include diameter (D), length (L), width (W), and various mounting dimensions (A, B, C, E, R). Labels include Capacitance, Series Code, Lot No., Voltage, and Positive/Negative terminals.

W	A	B	C	E	R
4.8	4.3	4.3	1.0	0.5-0.8	
5.3	5.3	5.3	1.4	0.5-0.8	
6.3	5.8	7.1	6.6	6.6	2.2
6.3	7.7	2.4	6.6	6.6	2.2
8	6.2	3.3	8.3	8.3	2.3
8	10	2.9	8.3	8.3	3.1
10	10	3.2	10.3	10.3	4.5
12.5	13.5	4.6	12.8	12.8	4.5
16	16.5	5.6	16.8	16.8	6.5
16	21.5	5.6	16.8	16.8	6.5
18	16.5	6.6	18.8	18.8	6.5
18	21.5	6.6	18.8	18.8	6.5

STANDARD / 85°C

Technical parameters	ES - SC
Capacitance	4,7uF-1000uF
Rated voltage	10-63V DC
Tolerance	±20% at 120Hz, 20°C
Operating temp. range	-40°C ... +85°C
Operational life	1000 hours/85°C
Ordering code	ES 10uF 35V SC

Capacitance	Dimensions	Ord.No.
10V		
S 330uF	6,3x7,7mm	69610
S 1000uF	10x10mm	69611
16V		
S 10uF	4x5,3mm	69612
S 22uF	4x5,3mm	69613
S 47uF	5x5,3mm	69614
S 100uF	6,3x5,3mm	69615
S 220uF	6,3x7,7mm	69616
S 330uF	8x10mm	69617
S 470uF	8x10mm	69618
25V		
S 10uF	4x5,3mm	69619
S 22uF	5x5,3mm	69620
S 47uF	6,3x5,8mm	69621
S 100uF	6,3x7,7mm	69622
S 220uF	8x10mm	69623
S 330uF	8x10mm	69624
S 470uF	10x10mm	69625
35V		
S 10uF	4x5,3mm	69626
S 22uF	5x5,3mm	69627
S 47uF	6,3x5,8mm	69628
S 100uF	6,3x7,7mm	69629
S 220uF	8x10mm	69630
S 330uF	10x10mm	69631
50V		
S 10uF	5x5,3mm	69632
S 22uF	6,3x5,3mm	69633
S 47uF	6,3x7,7mm	69634
S 100uF	8x10mm	69635
S 220uF	10x10mm	69636
63V		
S 4,7uF	6,3x5,8mm	69637
S 10uF	6,3x5,3mm	69638
S 22uF	6,3x7,7mm	69639
S 47uF	8x10mm	69640
S 100uF	10x10mm	69641

ESR - CK Series



Technical drawings for ESR-CK capacitors showing top, side, and end views with dimensions and labels. Dimensions include diameter (D), length (L), width (W), and various mounting dimensions (A, B, C, E, R). Labels include Capacitance, Series Code, Lot No., Voltage, and Positive/Negative terminals.

W	A	B	C	E	R
7.1	6.6	6.6	2.2	0.5-0.8	
6.3	5.8	2.4	6.6	6.6	2.2
8	6.2	3.3	8.3	8.3	2.3
8	10	2.9	8.3	8.3	3.1
10	10	3.2	10.3	10.3	4.5
12.5	13.5	4.6	12.8	12.8	4.5
16	16.5	5.6	16.8	16.8	6.5
16	21.5	5.6	16.8	16.8	6.5
18	16.5	6.6	18.8	18.8	6.5
18	21.5	6.6	18.8	18.8	6.5

LOW IMPEDANCE / 10⁵

Technical parameters	ESR - CK
Capacitance	4,7uF-1000uF
Rated voltage	6,3-50V DC
Tolerance	±20% at 120Hz, 20°C
Operating temp. range	-55°C ... +105°C
Operational life	1000 hours/105°C
Ordering code	ESR 10uF 35V CK

Capacit.	Dimensions	Ord.No.	Z [Ω]
6,3V			
S 22uF	4x5,3mm	69948	1,8
S 47uF	5x5,3mm	69949	0,9
S 220uF	6,3x5,8mm	69950	0,44
S 470uF	8x10mm	69951	0,17
S 1000uF	10x10mm	69952	0,09
10V			
S 100uF	6,3x5,8mm	69953	0,44
S 220uF	6,3x7,7mm	69954	0,34
S 1000uF	10x10mm	69955	0,09
16V			
S 47uF	5x5,3mm	69956	0,9
S 100uF	6,3x5,8mm	69957	0,44
S 220uF	6,3x7,7mm	69958	0,34
S 470uF	8x10mm	69959	0,17
25V			
S 22uF	5x5,3mm	69960	0,9
S 47uF	6,3x5,8mm	69961	0,44
S 100uF	6,3x7,7mm	69962	0,34
S 220uF	8x10mm	69963	0,17
S 470uF	10x10mm	69964	0,09
35V			
S 4,7uF	4x5,3mm	69965	1,8
S 10uF	4x5,3mm	69966	1,8
S 22uF	6,3x5,3mm	69967	0,76
S 47uF	6,3x5,8mm	69968	0,44
S 100uF	8x10mm	69969	0,17
S 220uF	10x10mm	69970	0,09
S 330uF	10x10mm	69971	0,09
50V			
S 1uF	4x5,3mm	69972	8,0
S 2,2uF	4x5,3mm	69973	8,0
S 4,7uF	6,3x5,8mm	69974	0,88
S 10uF	6,3x5,8mm	69975	0,88
S 22uF	6,3x5,8mm	69976	0,88
S 47uF	6,3x7,7mm	69977	0,68
S 100uF	8x10mm	69978	0,34

Z - impedance at 20°C and 100KHz