

AVX SUPERCAPACITORS



AVX Part Number	Series	Diameter (mm)	Length (mm)	Mass (g)	Rated Capacitance (F)	Capacitance Tolerance	Rated Voltage (V)	Rated Temperature (°C)	DCL Max @ 72 Hrs (µA)	ESR Max @ 1000 Hz (mΩ)	ESR Max @ DC (mΩ)	Peak Current (A)	Power Density (W/kg)	Max Energy (Wh)	Energy Density (Wh/kg)	Terminal Type
SCCQ12B105SRB	SCC	6.3	12	0.65	1	+30%/-10%	2.7/2.3*	65/85*	6	200	500	0.9	2261	0.0010	1.4	Radial
SCCR12B105SRB	SCC	8	12	0.95	1	+30%/-10%	2.7/2.3*	65/85*	6	150	500	0.9	2039	0.0010	1.2	Radial
SCCR16B205SRB	SCC	8	16	1.15	2	+30%/-10%	2.7/2.3*	65/85*	10	100	360	1.57	2240	0.0020	1.9	Radial
SCCR20B335SRB	SCC	8	20	1.45	3.3	+30%/-10%	2.7/2.3*	65/85*	12	95	290	2.32	2271	0.0033	2.7	Radial
SCCS20B505SRB	SCC	10	20	2.1	5	+30%/-10%	2.7/2.3*	65/85*	15	70	180	4.09	2278	0.0051	2.4	Radial
SCCS25B705SRB	SCC	10	25	2.6	7	+30%/-10%	2.7/2.3*	65/85*	20	60	150	4.61	3756	0.0071	2.8	Radial
SCCS30B106SRB	SCC	10	30	3.1	10	+30%/-10%	2.7/2.3*	65/85*	30	40	75	9	3481	0.0101	3.3	Radial
SCCT20B106SRB	SCC	12.5	20	3.4	10	+30%/-10%	2.7/2.3*	65/85*	30	50	75	9	3756	0.0101	3.0	Radial
SCCT30B156SRB	SCC	12.5	30	4.5	15	+30%/-10%	2.7/2.3*	65/85*	50	35	80	9.2	2485	0.0152	3.5	Radial
SCCU25B256MRB	SCC	16	25	7.3	25	±20%	2.7/2.3*	65/85*	60	27	50	15	2441	0.0253	3.5	Radial
SCCU30B356MRB	SCC	16	30	8.7	35	±20%	2.7/2.3*	65/85*	70	20	40	18.4	2644	0.0356	3.7	Radial
SCCV40B506MRB	SCC	18	40	13	50	±20%	2.7/2.3*	65/85*	75	18	20	40.5	3450	0.0506	4.0	Radial
SCCV60B107MRB	SCC	18	60	20	100	±20%	2.7/2.3*	65/85*	260	15	18	53.6	2329	0.1013	4.9	Radial
SCCW45B107VSB	SCC	22	45	21.5	100	+25%/-5%	2.7/2.3*	65/85*	260	8	12	61.3	3727	0.1013	5.2	2 Pin Solder
SCCX50B207VSB	SCC	30	50	39.5	200	+25%/-5%	2.7/2.3*	65/85*	600	6	9	96.4	2468	0.2025	5.1	2 Pin Solder
SCCY62B307VSB	SCC	35	62	77	300	+25%/-5%	2.7/2.3*	65/85*	650	6	9	103.8	2131	0.3032	5.2	4 Pin Solder
SCCY68B407VSB	SCC	35	68	85.5	400	+25%/-5%	2.7/2.3*	65/85*	1000	4	5	173.5	2639	0.4045	5.6	4 Pin Solder
SCCZ1EB308VCB	SCC	60	138	500	3000	+25%/-5%	2.7/2.3*	65/85*	5200	0.2	0.29	2165	5292	3.0370	5.3	Cylindrical Lug
SCCR20B335SRBLE	SCC LE	8	20		3.3	+30%/-10%	2.7/2.3*	65/85*	25	45	55	3.7	589	0.0033	0.10	Radial
SCCS20B505SRBLE	SCC LE	10	20		5	+30%/-10%	2.7/2.3*	65/85*	35	40	60	5.2	6943	0.0051	2.41	Radial
SCCW50B1275SBLE	SCC LE	22	50	27	120	+30%/-10%	2.7/2.3*	65/85*	300	6	8	82.7	4050	0.1215	4.50	2 Pin Solder
SCCN50B187MSBLE	SCC LE	25	50		180	±20%	2.7/2.3*	65/85*	470	5	8	99.6	3124	0.1823	5.21	2 Pin Solder
SCCX50B2275SBLE	SCC LE	30	50	48	220	+30%/-10%	2.7/2.3*	65/85*	620	5	6	128	3038	0.2228	4.64	2 Pin Solder
SCCY68B4075SBLE	SCC LE	35	68	87	400	+30%/-10%	2.7/2.3*	65/85*	1000	2.2	3	245.5	3352	0.4050	4.66	4 Pin Solder
SCCY71B407PLBLE	SCC LE	35	71		400	+100%/-0%	2.7/2.3*	65/85*	1300	1.3	1.8	314	5341	0.4050	4.45	Weldable Pin
SCCY71B407SLBLE	SCC LE	35	71	91	400	+30%/-10%	2.7/2.3*	65/85*	1000	1.8	2.5	270	3845	0.4050	4.45	Weldable Pin
SCCY83B507PLBLE	SCC LE	35	83		500	+100%/-0%	2.7/2.3*	65/85*	1500	1	1.6	375	5413	0.5063	5.01	Weldable Pin
SCCY83B607PLBLE	SCC LE	35	83		600	+100%/-0%	2.7/2.3*	65/85*	1500	1	1.6	413.3	5016	0.6075	5.57	Weldable Pin
SCCY85B607SLBLE	SCC LE	35	85	109	600	+30%/-10%	2.7/2.3*	65/85*	1500	1.6	1.8	389.4	4459	0.6075	5.57	Weldable Pin
SCCY1KB707PLBLE	SCC LE	35	105		700	+100%/-0%	2.7/2.3*	65/85*	1900	0.9	1.45	469	4986	0.7088	5.86	Weldable Pin
SCCY1AB857PLBLE	SCC LE	35	115		850	+100%/-0%	2.7/2.3*	65/85*	2200	0.8	1.3	545.1	4547	0.8606	5.82	Weldable Pin
SCCQ12E105SRB	3.0V SCC	6.3	12	0.65	1	+30%/-10%	3.0/2.5*	65/85*	6	240	1500	1	2791	0.0011	1.56	Radial
SCCR12E105SRB	3.0V SCC	8	12	0.95	1	+30%/-10%	3.0/2.5*	65/85*	6	180	860	1	2517	0.0011	1.33	Radial
SCCR16E205SRB	3.0V SCC	8	16	1.15	2	+30%/-10%	3.0/2.5*	65/85*	10	100	360	1.7	2765	0.0022	2.11	Radial
SCCR20E335SRB	3.0V SCC	8	20	1.45	3.3	+30%/-10%	3.0/2.5*	65/85*	12	95	280	2.6	2804	0.0037	3.00	Radial
SCCR25E505SRB	3.0V SCC	8	25	5	5	+30%/-10%	3.0/2.5*	65/85*	15	85	220	4.5	2812	0.0057	2.67	Radial
SCCS20E505SRB	3.0V SCC	10	20	2.1	5	+30%/-10%	3.0/2.5*	65/85*	15	70	170	4.5	2812	0.0057	2.67	Radial
SCCS25E705SRB	3.0V SCC	10	25	2.6	7	+30%/-10%	3.0/2.5*	65/85*	24	60	150	5.1	4637	0.0079	3.11	Radial
SCCS30E106SRB	3.0V SCC	10	30	3.1	10	+30%/-10%	3.0/2.5*	65/85*	30	50	75	10	4298	0.0112	3.67	Radial
SCCT20E106SRB	3.0V SCC	12.5	20	3.4	10	+30%/-10%	3.0/2.5*	65/85*	30	50	75	10	4637	0.0112	3.33	Radial
SCCT30E156SRB	3.0V SCC	12.5	30	4.5	15	+30%/-10%	3.0/2.5*	65/85*	50	40	60	10.2	3068	0.0169	3.89	Radial
SCCU25E256MRB	3.0V SCC	16	25	7.3	25	±20%	3.0/2.5*	65/85*	60	27	50	16.7	3014	0.0281	3.89	Radial
SCCU30E356MRB	3.0V SCC	16	30	8.7	35	±20%	3.0/2.5*	65/85*	70	20	40	20.4	3264	0.0396	4.11	Radial
SCCV40E506MRB	3.0V SCC	18	40	13	50	±20%	3.0/2.5*	65/85*	75	18	20	45	4259	0.0562	4.44	Radial

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 - Reach Compliant / Halogen Free

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 - UN3499, <10 Wh, Non-Hazardous Goods

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SCMQ14C474MRBA0	SCM	6.3	14	1.4	0.47	±20%	5.0/4.2*	65/85*	2	300	600	0.61	918	0.0027	1.5	Shrink Wrap
SCMQ14D474MRBBO	SCM	6.3	14	2.1	0.47	±20%	5.4/4.6*	65/85*	6	300	600	0.61	918	0.0027	1.5	Shrink Wrap
SCMR14C474MRBA0	SCM	8	14	2.1	0.47	±20%	5.0/4.2*	65/85*	2	300	600	0.86	1871	0.0019	1.0	Shrink Wrap
SCMR14D474MRBBO	SCM	8	14	2.1	0.47	±20%	5.4/4.6*	65/85*	6	300	600	0.86	1871	0.0019	1.0	Shrink Wrap
SCMR18C105MRBA0	SCM	8	18	2.5	1	±20%	5.0/4.2*	65/85*	6	150	300	1.57	2095	0.0040	1.7	Shrink Wrap
SCMR18D105MRBBO	SCM	8	18	2.5	1	±20%	5.4/4.6*	65/85*	10	150	300	1.57	2095	0.0040	1.7	Shrink Wrap
SCMR22C155MRBA0	SCM	8	22	3.1	1.5	±20%	5.0/4.2*	65/85*	10	120	240	2.13	2160	0.0060	2.3	Shrink Wrap
SCMR22D155MRBBO	SCM	8	22	3.1	1.5	±20%	5.4/4.6*	65/85*	15	120	240	2.13	2160	0.0060	2.3	Shrink Wrap
SCMS22C255MRBA0	SCM	10	22	4.5	2.5	±20%	5.0/4.2*	65/85*	20	75	150	3.07	1727	0.0101	2.4	Shrink Wrap
SCMS22D255MRBBO	SCM	10	22	4.6	2.5	±20%	5.4/4.6*	65/85*	25	75	150	3.07	1727	0.0101	2.4	Shrink Wrap
SCMT22C505MRBA0	SCM	12.5	22	7.3	5	±20%	5.0/4.2*	65/85*	25	65	130	6.75	2499	0.0202	2.9	Shrink Wrap
SCMT22D505MRBBO	SCM	12.5	22	7.6	5	±20%	5.4/4.6*	65/85*	30	65	130	6.75	2499	0.0202	2.9	Shrink Wrap
SCMT32C755MRBA0	SCM	12.5	32	9.6	7.5	±20%	5.0/4.2*	65/85*	65	55	120	9.2	2339	0.0203	3.2	Shrink Wrap
SCMT32D755MRBBO	SCM	12.5	32	9.9	7.5	±20%	5.4/4.6*	65/85*	70	55	120	9.2	2339	0.0203	3.2	Shrink Wrap
SCMR14C474MSBA0	SCM	9	16	3.9	0.47	±20%	5.0/4.2*	65/85*	2	300	600	0.86	1871	0.0019	1.0	Plastic
SCMR14D474MSBBO	SCM	9	16	3.9	0.47	±20%	5.4/4.6*	65/85*	6	300	600	0.86	1871	0.0019	1.0	Plastic
SCMR18C105MSBA0	SCM	9	20	4.6	1	±20%	5.0/4.2*	65/85*	6	150	300	1.57	2095	0.0040	1.7	Plastic
SCMR18D105MSBBO	SCM	9	20	4.6	1	±20%	5.4/4.6*	65/85*	10	150	300	1.57	2095	0.0040	1.7	Plastic
SCMR22C155MSBA0	SCM	9	24	5.5	1.5	±20%	5.0/4.2*	65/85*	10	120	240	2.13	2160	0.0060	2.3	Plastic
SCMR22D155MSBBO	SCM	9	24	5.5	1.5	±20%	5.4/4.6*	65/85*	15	120	240	2.13	2160	0.0060	2.3	Plastic
SCMQ14F474MRBA0	6.0V SCM	6.3	14		0.47	±20%	5.5/4.6*	65/85*	6	500	3000	0.62	953	0.0028	1.53	Shrink Wrap
SCMQ14H474SRBBO	6.0V SCM	6.3	14		0.47	+30%/-10%	6.0/5.5*	65/85*	7	500	3000	0.68	1134	0.0030	1.67	Shrink Wrap
SCMR14F474MRBA0	6.0V SCM	8	14		0.47	±20%	5.5/4.6*	65/85*	6	380	1720	0.88	1941	0.0019	1.02	Shrink Wrap
SCMR14H474MRBBO	6.0V SCM	8	14		0.47	±20%	6.0/5.5*	65/85*	7	380	1720	0.96	2310	0.0021	1.11	Shrink Wrap
SCMR18F105MRBA0	6.0V SCM	8	18		1	±20%	5.5/4.6*	65/85*	6	250	720	1.6	2173	0.0041	1.73	Shrink Wrap
SCMR18H105MRBBO	6.0V SCM	8	18		1	±20%	6.0/5.5*	65/85*	12	250	720	1.74	2586	0.0044	1.89	Shrink Wrap
SCMR22F155MRBA0	6.0V SCM	8	22		1.5	±20%	5.5/4.6*	65/85*	12	200	560	2.17	2241	0.0061	2.34	Shrink Wrap
SCMR22H155MRBBO	6.0V SCM	8	22		1.5	±20%	6.0/5.5*	65/85*	18	200	560	2.37	2667	0.0067	2.56	Shrink Wrap
SCMS22F255MRBA0	6.0V SCM	10	22		2.5	±20%	5.5/4.6*	65/85*	24	180	340	3.13	1792	0.0103	2.44	Shrink Wrap
SCMS22H255MRBBO	6.0V SCM	10	22		2.5	±20%	6.0/5.5*	65/85*	30	180	340	3.41	2132	0.0112	2.67	Shrink Wrap
SCMS32F505MRBA0	6.0V SCM	10	32		5	±20%	5.5/4.6*	65/85*	30	120	150	6.88	2592	0.0206	2.95	Shrink Wrap
SCMS32H505MRBBO	6.0V SCM	10	32		5	±20%	6.0/5.5*	65/85*	36	120	150	7.5	3085	0.0224	3.22	Shrink Wrap
SCMT22F505MRBA0	6.0V SCM	12.5	22		5	±20%	5.5/4.6*	65/85*	30	120	150	6.88	2592	0.0206	2.95	Shrink Wrap
SCMT32F755MRBA0	6.0V SCM	12.5	32		7.5	±20%	5.5/4.6*	65/85*	78	90	120	9.37	2426	0.0207	3.26	Shrink Wrap
SCMR14F474MSBA0	6.0V SCM	9	16		0.47	±20%	5.5/4.6*	65/85*	2	300	1720	4.74	515	0.0020	0.28	Plastic
SCMR14H474MSBBO	6.0V SCM	9	16		0.47	±20%	6.0/5.5*	65/85*	6	300	720	2.17	1463	0.0024	0.80	Plastic
SCMR18F105MSBA0	6.0V SCM	9	20		1	±20%	5.5/4.6*	65/85*	6	250	560	1.54	1323	0.0042	1.53	Plastic
SCMR18H105MSBBO	6.0V SCM	9	20		1	±20%	6.0/5.5*	65/85*	10	250	1720	5.16	513	0.0050	0.59	Plastic
SCMR22F155MSBA0	6.0V SCM	9	24		1.5	±20%	5.5/4.6*	65/85*	10	200	720	1.98	869	0.0063	1.51	Plastic
SCMR22H155MSBBO	6.0V SCM	9	24		1.5	±20%	6.0/5.5*	65/85*	15	200	560	1.68	1330	0.0075	2.31	Plastic

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SCMR14G334MRBA0	7.5V SCM	8	14	3.1	0.33	±20%	7.5/6.4*	65/85*	2	450	900	0.86	1871	0.0019	1.0	Shrink Wrap
SCMR14G334MRBBO	7.5V SCM	8	14	3.1	0.33	±20%	7.5/6.4*	65/85*	6	450	900	0.86	1871	0.0019	1.0	Shrink Wrap
SCMR18G604MRBA0	7.5V SCM	8	18	3.8	0.6	±20%	7.5/6.4*	65/85*	6	225	450	1.57	2095	0.0040	1.7	Shrink Wrap
SCMR18G604MRBBO	7.5V SCM	8	18	3.9	0.6	±20%	7.5/6.4*	65/85*	10	225	450	1.75	2095	0.0040	1.7	Shrink Wrap
SCMR22G105MRBA0	7.5V SCM	8	22	4.6	1	±20%	7.5/6.4*	65/85*	10	180	360	2.13	2160	0.0060	2.3	Shrink Wrap
SCMR22G105MRBBO	7.5V SCM	8	22	4.7	1	±20%	7.5/6.4*	65/85*	15	180	360	2.13	2160	0.0060	2.3	Shrink Wrap
SCMR14J334MRBA0	9.0V SCM	8	14		0.33	±20%	8.1/6.9*	65/85*	3	500	2850	0.93	2182	0.0021	1.08	Shrink Wrap
SCMR14J334MRBBO	9.0V SCM	8	14		0.33	±20%	8.1/6.9*	65/85*	6	500	2850	0.93	2182	0.0021	1.08	Shrink Wrap
SCMR14L334MRBBO	9.0V SCM	8	14		0.33	±20%	9.0/7.6*	65/85*	7	500	2850	1.03	2694	0.0023	1.20	Shrink Wrap
SCMR18J604MRBA0	9.0V SCM	8	18		0.6	±20%	8.1/6.9*	65/85*	7	400	1080	1.7	2444	0.0043	1.84	Shrink Wrap
SCMR18J604MRBBO	9.0V SCM	8	18		0.6	±20%	8.1/6.9*	65/85*	15	400	1080	1.7	2444	0.0043	1.84	Shrink Wrap
SCMR18L604MRBBO	9.0V SCM	8	18		0.6	±20%	9.0/7.6*	65/85*	12	400	1080	1.88	3017	0.0048	2.04	Shrink Wrap
SCMR22J105MRBA0	9.0V SCM	8	22		1	±20%	8.1/6.9*	65/85*	12	350	840	2.3	2519	0.0065	2.48	Shrink Wrap
SCMR22J105MRBBO	9.0V SCM	8	22		1	±20%	8.1/6.9*	65/85*	15	350	840	1.7	2519	0.0065	2.48	Shrink Wrap
SCMR22L105MRBBO	9.0V SCM	8	22		1	±20%	9.0/7.6*	65/85*	18	350	840	2.56	3110	0.0072	2.76	Shrink Wrap
SCMR14J334MSBA0	9.0V SCM	9	16		0.33	±20%	8.1/6.9*	65/85*	3	500	2850	11.55	542	0.0030	0.21	Plastic
SCMR14L334MSBBO	9.0V SCM	9	16		0.33	±20%	9.0/7.6*	65/85*	7	500	2850	12.84	669	0.0037	0.26	Plastic
SCMR18J604MSBA0	9.0V SCM	9	20		0.6	±20%	8.1/6.9*	65/85*	7	400	1080	4.38	1236	0.0055	0.86	Plastic
SCMR18L604MSBBO	9.0V SCM	9	20		0.6	±20%	9.0/7.6*	65/85*	12	400	1080	4.87	1525	0.0068	1.06	Plastic
SCMR22J105MSBA0	9.0V SCM	9	24		1	±20%	8.1/6.9*	65/85*	12	350	840	3.41	1399	0.0091	1.62	Plastic
SCMR22L105MSBBO	9.0V SCM	9	24		1	±20%	9.0/7.6*	65/85*	18	350	840	3.78	1727	0.0113	2.00	Plastic

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SCMZ1EK507MRBBO	16V SCM	418	68	179	500	±20%	16	65	60	1.8	≤2.1	1900	5541	17.80	3.23	5.5
SCMZ1EP167SRBBO	48V SCM	413	190	160	165	+30%/-10%	48	65		≤5.22		2165.8		52.14		15.9



- UL810a Certified
- RoHS Compliant
- Reach Compliant / Halogen Free

- Not Subjected to US DOT or IATA Regulations
- UN3499, <10 Wh, Non-Hazardous Goods

Images are representative and are not to scale.
 Values provided are subject to change without notice.

For more information visit: www.AVX.com/supercapacitors

