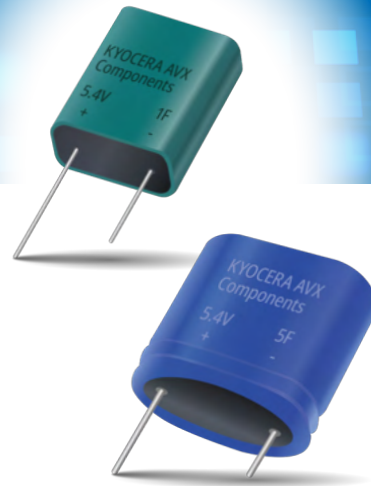




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SCM Series

SERIES-CONNECTED SUPERCAPACITOR MODULES

GENERAL DESCRIPTION

This new series of electrochemical, double-layer, series-connected SuperCapacitor modules offers excellent pulse power handling characteristics based on the combination of very high capacitance and very low ESR. Used by themselves or in conjunction with primary

or secondary batteries, they provide extended back up time, longer battery life, and provide instantaneous power pulses as needed. Offers great solutions to hold up, energy harvesting, pulse power applications, and battery replacement.



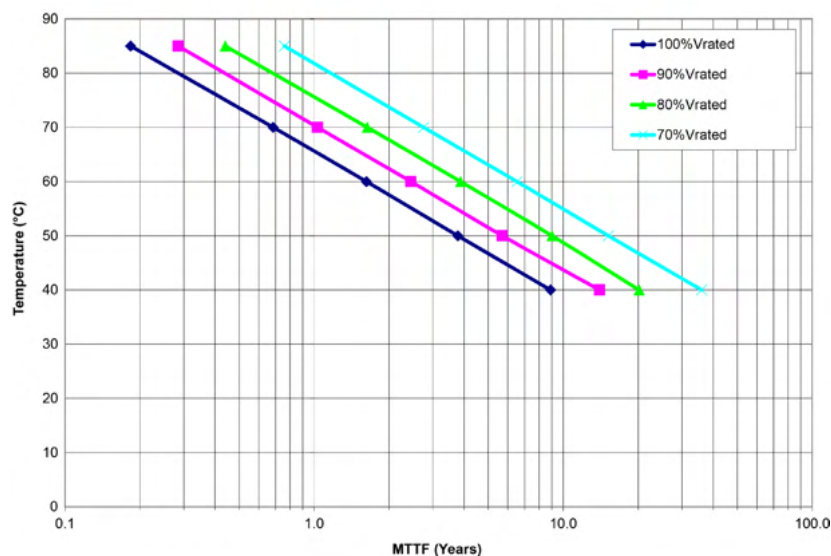
APPLICATIONS

- Camera Flash Systems
- Energy Harvesting
- GSM/GPRS Pulse Applications
- UPS/Industrial
- Wireless Alarms
- Remote Metering
- Scanners
- Toys and Games

FEATURES

- High Pulse Power Capability
- Low ESR
- Low Leakage Current
- Plastic, Moisture Resistant Version

EXPECTED LIFETIME AT VARIOUS VOLTAGES



RATING AND PART NUMBER REFERENCE

Part Number	Diameter (mm)	Length (mm)	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)
(5.4V / 5.0V Series) Shrink Wrap / Radial Lead													
SCMQ14C474PRBA0	6.3	14	0.47	+100%/-0%	5.0/4.2*	65/85*	6	400	1000	0.80	2143	0.0016	1.17
SCMQ14C474PRTA0	6.3	14	0.47	+100%/-0%	5.0/4.2*	65/85*	6	400	1000	0.80	2143	0.0016	1.17
SCMQ14D474PRBB0	6.3	14	0.47	+100%/-0%	5.4/4.6*	65/85*	6	400	1000	0.86	2499	0.0019	1.36
SCMQ14D474PRTB0	6.3	14	0.47	+100%/-0%	5.4/4.6*	65/85*	6	400	1000	0.86	2499	0.0019	1.36
SCMR14C474PRBA0	8	14	0.47	+100%/-0%	5.0/4.2*	65/85*	6	300	1000	0.80	1429	0.0016	0.78
SCMR14D474PRBB0	8	14	0.47	+100%/-0%	5.4/4.6*	65/85*	6	300	1000	0.86	1666	0.0019	0.91
SCMR18C105PRBA0	8	18	1	+100%/-0%	5.0/4.2*	65/85*	8	200	720	1.45	1667	0.0035	1.39
SCMR18D105PRBB0	8	18	1	+100%/-0%	5.4/4.6*	65/85*	10	200	720	1.57	1944	0.0041	1.62
SCMR22C155PRBA0	8	22	1.5	+100%/-0%	5.0/4.2*	65/85*	10	190	580	2.01	1669	0.0052	1.68
SCMR22D155PRBB0	8	22	1.5	+100%/-0%	5.4/4.6*	65/85*	15	190	580	2.17	1946	0.0061	1.96
SCMS22C255PRBA0	10	22	2.5	+100%/-0%	5.0/4.2*	65/85*	20	140	360	3.29	1852	0.0087	1.93
SCMS22D255PRBB0	10	22	2.5	+100%/-0%	5.4/4.6*	65/85*	25	140	360	3.55	2113	0.0101	2.20
SCMT22C505PRBA0	12.5	22	5	+100%/-0%	5.0/4.2*	65/85*	25	100	150	7.14	2740	0.0174	2.38
SCMT22D505PRBB0	12.5	22	5	+100%/-0%	5.4/4.6*	65/85*	30	100	150	7.71	3069	0.0203	2.66
SCMT32C755SRBA0	12.5	32	7.5	+30%/-10%	5.0/4.2*	65/85*	65	70	160	8.52	1953	0.0260	2.71
SCMT32D755SRBB0	12.5	32	7.5	+30%/-10%	5.4/4.6*	65/85*	70	70	160	9.20	2209	0.0304	3.07
(6.0V / 5.5V Series) Shrink Wrap / Radial Lead													
SCMQ14F474PRBA0	6.3	14	0.47	+100%/-0%	5.5/4.6*	65/85*	6	500	3000	0.54	864	0.0020	1.41
SCMQ14H474PRBB0	6.3	14	0.47	+100%/-0%	6.0/5.6*	65/85*	7	500	3000	0.59	1029	0.0024	1.68
SCMR14F474PRBA0	8	14	0.47	+100%/-0%	5.5/4.6*	65/85*	6	380	1720	0.71	1005	0.0020	0.94
SCMR14H474PRBB0	8	14	0.47	+100%/-0%	6.0/5.0*	65/85*	7	380	1720	0.78	1196	0.0024	1.12
SCMR18F105PRBA0	8	18	1	+100%/-0%	5.5/4.6*	65/85*	9	250	720	1.60	2017	0.0042	1.68
SCMR18H105PRBB0	8	18	1	+100%/-0%	6.0/5.0*	65/85*	11	250	720	1.74	2400	0.0050	2.00
SCMR22F155PRBA0	8	22	1.5	+100%/-0%	5.5/4.6*	65/85*	12	200	560	2.24	2091	0.0063	2.03
SCMR22H155PRBB0	8	22	1.5	+100%/-0%	6.0/5.0*	65/85*	18	200	560	2.45	2488	0.0075	2.42
SCMS22F255PRBA0	10	22	2.5	+100%/-0%	5.5/4.6*	65/85*	24	180	340	3.72	2373	0.0105	2.33
SCMS22H255PRBB0	10	22	2.5	+100%/-0%	6.0/5.0*	65/85*	30	180	340	4.05	2762	0.0125	2.72
SCMS32F505PRBA0	10	32	5	+100%/-0%	5.5/4.6*	65/85*	30	120	150	7.86	3580	0.0210	3.11
SCMS32H505PRBB0	10	32	5	+100%/-0%	6.0/5.0*	65/85*	36	120	150	8.57	4235	0.0250	3.68
SCMT22F505PRBA0	12.5	22	5	+100%/-0%	5.5/4.6*	65/85*	30	120	150	7.86	3176	0.0210	2.76
SCMT32F755SRBA0	12.5	32	7.5	+30%/-10%	5.5/4.6*	65/85*	78	90	120	10.86	3151	0.0315	3.28
SCMT32H755SRBB0	12.5	32	7.5	+30%/-10%	6.0/5.0*	65/85*	84	90	120	11.84	3600	0.0375	3.75
SCMU33F156SRBA0	16	33	15	+30%/-10%	5.5/4.6*	65/85*	85	35	50	23.57	4033	0.0630	3.50
SCMU33F156SRBB0	16	33	15	+30%/-10%	5.5/4.6*	65/85*	90	35	50	23.57	3946	0.0630	3.43
(7.5V Series) Shrink Wrap / Radial Lead													
SCMR14G334SRBA0	8	14	0.33	+30%/-10%	7.5/6.4*	65/85*	6	450	900	0.95	2419	0.0026	0.83
SCMR14G334SRBB0	8	14	0.33	+30%/-10%	7.5/6.4*	65/85*	7	450	900	0.95	2419	0.0026	0.83
SCMR18G604SRBA0	8	18	0.6	+30%/-10%	7.5/6.4*	65/85*	9	225	450	1.77	3947	0.0047	1.23
SCMR18G604SRBB0	8	18	0.6	+30%/-10%	7.5/6.4*	65/85*	11	225	450	1.77	3846	0.0047	1.20
SCMR22G105SRBA0	8	22	1	+30%/-10%	7.5/6.4*	65/85*	10	180	360	2.76	4076	0.0078	1.70
SCMR22G105SRBB0	8	22	1	+30%/-10%	7.5/6.4*	65/85*	15	180	360	2.76	3989	0.0078	1.66
(8.1V/9.0V Series) Shrink Wrap / Radial Lead													
SCMR14J334SRBA0	8	14	0.33	+30%/-10%	8.1/6.9*	65/85*	6	500	2850	0.69	897	0.0030	0.98
SCMR14J334SRBB0	8	14	0.33	+30%/-10%	8.1/6.9*	65/85*	7	500	2850	0.69	869	0.0030	0.95
SCMR14L334SRBB0	8	14	0.33	+30%/-10%	9.0/7.6*	65/85*	7	500	2850	0.77	1072	0.0037	1.17
SCMR18J604SRBA0	8	18	0.6	+30%/-10%	8.1/6.9*	65/85*	9	400	1080	1.47	1934	0.0055	1.45
SCMR18J604SRBB0	8	18	0.6	+30%/-10%	8.1/6.9*	65/85*	12	400	1080	1.47	1869	0.0055	1.40
SCMR18L604SRBB0	8	18	0.6	+30%/-10%	9.0/7.6*	65/85*	12	400	1080	1.64	2308	0.0068	1.73
SCMR22J105SRBA0	8	22	1	+30%/-10%	8.1/6.9*	65/85*	12	350	840	2.20	1986	0.0091	1.93
SCMR22J105SRBB0	8	22	1	+30%/-10%	8.1/6.9*	65/85*	15	350	840	2.20	1894	0.0091	1.84
SCMR22L105SRBB0	8	22	1	+30%/-10%	9.0/7.6*	65/85*	18	350	840	2.45	2338	0.0113	2.27
(8.1V/9.0V Series) Plastic / Radial Lead													
SCMR14J334SSBA0	9.5	16	0.33	+30%/-10%	8.1/6.9*	65/85*	6	500	2850	0.69	498	0.0030	0.54
SCMR14L334SSBB0	9.5	16	0.33	+30%/-10%	9.0/7.6*	65/85*	7	500	2850	0.77	598	0.0037	0.65
SCMR18J604SSBA0	9.5	20	0.6	+30%/-10%	8.1/6.9*	65/85*	9	400	1080	1.47	1063	0.0055	0.80
SCMR18L604SSBB0	9.5	20	0.6	+30%/-10%	9.0/7.6*	65/85*	12	400	1080	1.64	1286	0.0068	0.96
SCMR22J105SSBA0	9.5	24	1	+30%/-10%	8.1/6.9*	65/85*	12	350	840	2.20	1129	0.0091	1.10
SCMR22L105SSBB0	9.5	24	1	+30%/-10%	9.0/7.6*	65/85*	18	350	840	2.45	1361	0.0113	1.32