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Information

SCC Series

HIGH CAPACITANCE CYLINDRICAL SUPERCAPACITORS

GENERAL DESCRIPTION

The new series of cylindrical electrochemical double-layer capacitors 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, and Pulse Power Applications.

QUALITY AND RELIABILITY

APPLICATIONS

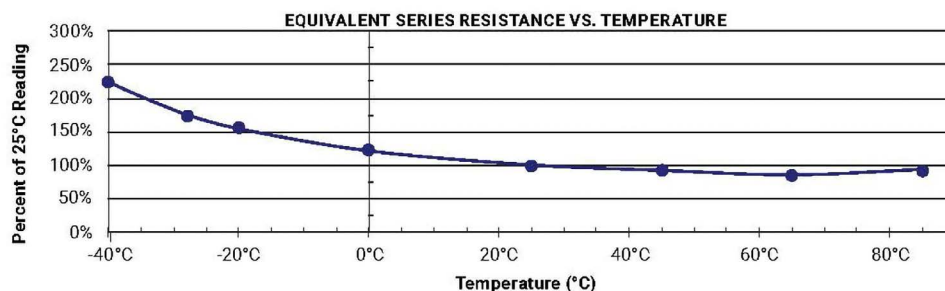
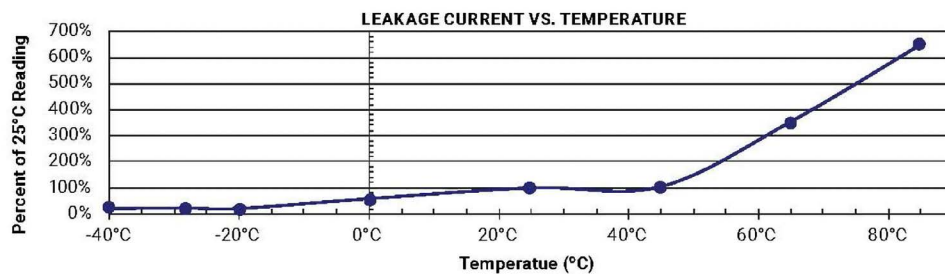
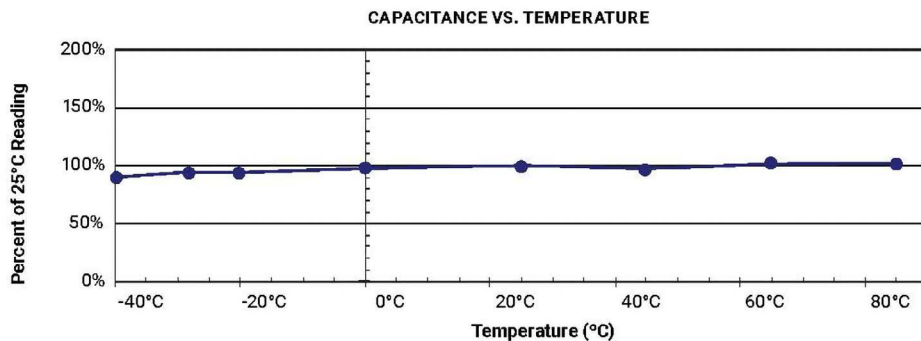
- Camera Flash Systems
- Energy Harvesting
- GSM/GPRS Pulse Applications
- UPS/Industrial
- Wireless Alarms
- Remote Metering
- Scanners
- Toys and Games

FEATURES

- Cap Values from 1F – 3000F
- High pulse power capability
- Low ESR
- Low Leakage Current

OPERATING TEMPERATURE

- 40°C to +65°C @ 2.7V
- 40°C to +85°C @ 2.3V



SCC Series SUPERCAPACITORS



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)
Radial Lead													
SCCQ12B105PRB	6.3	12	1	+100%/-0%	2.7/2.3*	65/85*	6	200	500	0.90	2692	0.0010	1.56
SCCR12B105PRB	8	12	1	+100%/-0%	2.7/2.3*	65/85*	6	150	500	0.90	1842	0.0010	1.07
SCCQ15B125SRB	6.3	15	1.2	+30%/-10%	2.7/2.3*	65/85*	6	240	620	0.93	1933	0.0012	1.66
SCCR16B205PRB	8	16	2	+100%/-0%	2.7/2.3*	65/85*	10	100	360	1.57	2113	0.0020	1.76
SCCR20B335PRB	8	20	3.3	+100%/-0%	2.7/2.3*	65/85*	12	95	290	2.28	2080	0.0033	2.30
SCCR25B505PRB	8	25	5	+100%/-0%	2.7/2.3*	65/85*	15	85	220	3.21	2339	0.0051	2.98
SCCS20B505PRB	10	20	5	+100%/-0%	2.7/2.3*	65/85*	15	70	180	3.55	2314	0.0051	2.41
SCCS25B705PRB	10	25	7	+100%/-0%	2.7/2.3*	65/85*	20	60	150	4.61	2243	0.0071	2.73
SCCS30B106PRB	10	30	10	+100%/-0%	2.7/2.3*	65/85*	30	40	75	7.71	3763	0.0101	3.27
SCCT20B106PRB	12.5	20	10	+100%/-0%	2.7/2.3*	65/85*	30	50	75	7.71	3431	0.0101	2.98
SCCS30B126SRB	10	30	12	+30%/-10%	2.7/2.3*	65/85*	30	50	75	8.53	3812	0.0122	3.97
SCCT30B156SRB	12.5	30	15	+30%/-10%	2.7/2.3*	65/85*	50	35	80	9.20	2430	0.0152	3.38
SCCT30B186SRB	12.5	30	18	+30%/-10%	2.7/2.3*	65/85*	55	40	60	11.68	3378	0.0182	4.93
SCCT35B226SRB	12.5	35	22	+30%/-10%	2.7/2.3*	65/85*	58	34	58	13.05	2631	0.0223	3.89
SCCU25B256SRB	16	25	25	+30%/-10%	2.7/2.3*	65/85*	60	27	50	15.00	2397	0.0253	3.47
SCCU30B356SRB	16	30	35	+30%/-10%	2.7/2.3*	65/85*	70	20	40	19.69	2514	0.0354	4.07
SCCT47B406SRB	12.5	47	40	+30%/-10%	2.7/2.3*	65/85*	75	19	29	25.00	4022	0.0405	5.40
SCCV40B506SRB	18	40	50	+30%/-10%	2.7/2.3*	65/85*	75	18	20	33.75	3365	0.0506	3.89
SCCV60B107SRB	18	60	100	+30%/-10%	2.7/2.3*	65/85*	260	15	18	48.21	2430	0.1013	5.06
Solder Pin Lead													
SCCW45B107SSB	22	45	100	+30%/-10%	2.7/2.3*	65/85*	260	8	12	61.36	3391	0.1013	4.71
SCCX50B207SSB	30	50	200	+30%/-10%	2.7/2.3*	65/85*	600	6	9	96.43	2461	0.2025	5.13
SCCY62B307SSB	35	62	300	+30%/-10%	2.7/2.3*	65/85*	650	6	9	109.46	1262	0.3038	3.94
SCCY68B407SSB	35	68	400	+30%/-10%	2.7/2.3*	65/85*	1000	4	5	180.00	2046	0.4050	4.74
Snap-In													
SCCY60B407SNB	35	60	400	+30%/-10%	2.7/2.3*	65/85*	1000	4	5	180.00	2430	0.4050	5.63
Cylindrical Lug Lead													
SCCZ1EB308SCB	60	138	3000	+30%/-10%	2.7/2.3*	65/85*	5200	0.2	0.29	2165.78	6033	3.0375	6.08
Cylindrical Screw Lead													
SCCZ1EB308SWB	60	138	3000	+30%/-10%	2.7/2.3*	65/85*	5200	0.2	0.29	2165.78	6033	3.0375	6.08

*with appropriate voltage derating operating temperature can be extended to 85°C