

32353-CR

SuperCap - 4.0F @ 5.5V

GENERAL SPECIFICATIONS

Item	Performance
Storage temperature	-40°C to +70°C
Capacitance range	0.22F to 60F
Capacitance tolerance	-20%to+50%; +0%to+100%; -10%to+30%
Rated voltage	5.5 V
Surge voltage	5.7 V
Temperature characteristics	Capacitance change: Within ±50% of initial measured value at +25°C Internal resistance: Within ±500% of initial measured value at +25°C
High temperature load time	After 85°C 1000 hours (at 4.6V): Capacitance change: ±30% of initial rated value Internal resistance: Within 3 times of initial specified value
Projected cycle life (From rated voltage to 1/2 rated voltage at 25°C)	After 500,000 cycles: Capacitance change: Within ±30 % of initial rated value Internal resistance: Within 2 times of initial specified value
Humidity characteristic	Relative humidity: 90%-95%/Duration of testing:240 hrs /Temperature:40±2°C Capacitance change: Within ±30 % of initial rated value Internal resistance: Within 2 times of initial specified value
Vibration resistance	Amplitude:1.5mm /Frequency:10-55Hz /Duration of testing:6 hrs Capacitance change: Within ±30 % of initial rated value Internal resistance: Within 2 times of initial specified value
Shelf life	After 2 years at 25°C without load, the capacitor shall meet the specified endurance limits.

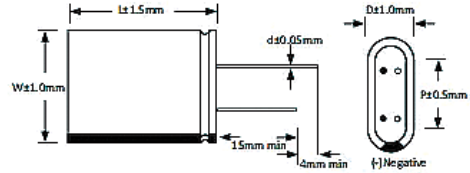


STANDARD PRODUCTS

Part Number	Rated Voltage (V)	Rated Cap. (F)	Size (mm)	Max.ESR (mΩ)	Maximum Endurance Current(A)	Maximum Peak Current(A)	Maximum Leakage Current (72hrs/ma)	Power Density (W/Kg)	Maximum Energy (W.h)	Energy Density (Wh/kg)	
CHPSRSL224R-TW	5.5	0.22	13*7*14	400	1000	0.14	0.60	0.006	3025	0.0020	1.00
CHPSRSL334R-TW	5.5	0.33	16*8*14	300	600	0.34	0.90	0.006	3084	0.0019	1.00
CHPSRSL474R-TW	5.5	0.47	16*8*14	300	600	0.47	1.05	0.006	3601	0.0019	0.91
CHPSRSL504R-TWX	5.5	0.50	13*7*14	400	1000	0.16	0.86	0.006	2499	0.0020	1.36
CHPSRSL504R-TW	5.5	0.50	16*8*14	300	600	0.50	1.05	0.006	3184	0.0020	1.00
CHPSRSL105R-TW	5.5	1.0	16*8*14	360	540	0.44	1.79	0.006	2923	0.0042	1.83
CHPSRSL105R-TWX	5.5	1.0	16*8*18	240	360	0.61	2.02	0.010	4201	0.0042	1.75
CHPSRSL105R-TWQ	5.5	1.0	16*8*22	200	400	0.74	2.12	0.012	4172	0.0042	2.05
CHPSRSL155R-TW	5.5	1.5	16*8*22	200	300	0.74	2.84	0.012	4172	0.0063	2.17
CHPSRSL255R-TW	5.5	2.5	20*10*22	150	225	0.97	4.40	0.015	3361	0.0105	2.19
CHPSRSL255R-TWX	5.5	2.5	20*10*18	180	270	0.80	4.10	0.015	3056	0.0105	2.39
CHPSRSL255R-TWQ	5.5	2.5	16*8*27	160	330	0.75	4.05	0.017	3045	0.0103	2.85
CHPSRSL305R-TW	5.5	3.0	20*10*22	150	225	0.97	4.93	0.020	3361	0.0126	2.63
CHPSRSL355R-TW	5.5	3.5	20*10*22	150	225	0.97	5.38	0.020	3361	0.0147	3.06
CHPSRSL355R-TWQ	5.5	3.5	16*8*27	120	180	1.20	5.90	0.020	3667	0.0147	3.06
CHPSRSL405R-TW	5.5	4.0	20*10*27	150	315	1.17	5.35	0.028	2063	0.0147	2.70
CHPSRSL405R-TWX	5.5	4.0	25*12.5*22	90	135	1.42	8.21	0.030	3634	0.0210	2.84
CHPSRSL505R-TW	5.5	5.0	20*10*27	150	315	1.17	5.35	0.028	2063	0.0147	2.70
CHPSRSL505R-TWX	5.5	5.0	25*12.5*22	90	135	1.42	8.21	0.030	3634	0.0210	2.84
CHPSRSL505R-TWQ	5.5	5.0	20*10*32	90	135	1.51	8.21	0.030	4074	0.0210	3.18
CHPSRSL755R-TW	5.5	7.5	25*12.5*28	100	160	1.80	10.66	0.070	3359	0.0152	3.50
CHPSRSL755R-TWQ	5.5	7.5	25*13*32	70	105	1.93	11.54	0.052	3841	0.0315	3.50
CHPSRSL106R-TW	5.5	10	25*12.5*28	96	140	1.95	11.25	0.055	3362	0.0315	4.20
CHPSRSL106R-TWQ	5.5	10	25*13*32	70	105	1.93	13.42	0.055	3841	0.0420	4.67
CHPSRSL106R-TWX	5.5	10	25*13*37	60	90	2.23	14.47	0.056	3507	0.0420	3.65
CHPSRSL126R-TW	5.5	12	32*16*27	50	75	2.41	17.74	0.068	3103	0.0525	3.37
CHPSRSL166R-TW	5.5	15	32*16*32	70	120	2.09	15.00	0.095	1952	0.0525	3.40
CHPSRSL206R-TW	5.5	20	36*18*42	36	54	3.52	26.44	0.088	2988	0.0840	3.73
CHPSRSL206R-TWX	5.5	20	36*18*37	43	72	3.1	20.54	0.080	2345	0.0735	3.65
CHPSRSL256R-TW	5.5	25	36*18*42	40	60	4.34	27.50	0.110	2161	0.1050	3.80
CHPSRSL306R-TW	5.5	30	36*18*42	35	50	4.64	33.00	0.120	2503	0.1260	4.30
CHPSRSL416R-TW	5.5	41	36*18*42	45	60	3.55	31.53	0.250	1897	0.1300	4.80
CHPSRSL506R-TW	5.5	50	36*18*62	30	45	6.04	42.31	0.300	1939	0.2101	5.00
CHPSRSL606R-TW	5.5	60	36*18*62	25	40	7.20	50.47	0.25	2047	0.1910	5.90

Note: Add ± positive balance. Balance options can be provided upon request. Customers can choose according to the application.

DC Type:



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