



Supercapacitor

Product Application Areas

Smart Grid:

State Grid three-phase meters, carrier modules, fault indicators, TTU, FTU, DTU.

Smart Meters and Remote Meter Reading Systems:

Instrument meters (such as smart electricity meters, smart water meters, smart gas meters, smart heat meters), electromagnetic start-up power supplies, backup power for microcontrollers, data storage, communication signal transmission power compensation, etc.

Vehicle Electronics:

Driving recorders, electronic toll collection (ETC) tags, vehicle smart instrument clusters, etc.

Smart Home:

Smart locks, power tools, kitchen appliances, digital set-top boxes, electric toys, etc.

Telecommunication Infrastructure:

Provides pulse signal output power compensation for mobile communication base stations, satellite communication systems, and wireless communication systems.

Internet of Things (IoT):

Remote data transmission, fault alarm signal output, remote monitoring, remote valve control, backup power, etc.

Automotive Start-up Power:

Portable emergency start power supply, vehicle start battery auxiliary power, effectively extends battery life, and provides cold-start performance for vehicles.

Rail Transit:

Subway, high-speed rail and other rail transit vehicle multimedia collection equipment.

Renewable Energy:

Solar energy storage, wind power generation.

AGV Vehicles:

Automated Guided Vehicles (AGVs) for logistics sorting.

Supercapacitor HP Series – Single Cell

Performance Features:

Complete range, High power density, Wide capacitance range

Typical Applications:

Smart meters, Smart home, Household appliances, Consumer electronics, Smart grid control, Daily electronic products, Network terminals, Communication transmission, Controllers, Solar products, Medical devices, Toys, etc.

Series	HP Series	
Rated Voltage (VR)	2.7V	3.0V
Surge Voltage	2.85V	3.15V
Capacitance Range	0.7F ~ 3000F	0.7F ~ 3000F
Operating Temperature Range	-40°C ~ +70°C	-40°C ~ +65°C

DIP Series Specification Sheet

Part Number	Rated Voltage (V)	Rated Capacitance (F)	ESR (mΩ) DC	ESR (mΩ) AC	Rated Current (A, 25°C)	Max Current (A, 25°C)	Leakage Current (mA, 25°C & 72h)	Weight (g)	Diameter D	Height H	Lead Pitch P
HP-2R7-J704VYJ06	2.7	0.7	450	300	0.18	0.72	0.004	0.92	Φ8	13	3.5
HP-2R7-J105VYJ06	2.7	1	450	300	0.25	0.93	0.005	1.08	Φ8	13	3.5
HP-2R7-J155VYJ08	2.7	1.5	375	250	0.36	1.3	0.007	1.24	Φ8	16	3.5
HP-2R7-J155VYJ35	2.7	1.5	525	350	0.35	1.13	0.007	0.95	Φ8	12	3.5
HP-2R7-J205VYJ13	2.7	2	200	120	0.5	1.93	0.008	1.87	Φ10	20	5
HP-2R7-J205VYJ07	2.7	2	200	130	0.5	1.93	0.008	1.49	Φ8	20	3.5
HP-2R7-J205VYJ08	2.7	2	300	200	0.48	1.69	0.008	1.31	Φ8	16	3.5
HP-2R7-J225VYJ13	2.7	2.2	180	120	0.55	2.13	0.009	1.92	Φ10	20	5
HP-2R7-J305VYJ07	2.7	3	370	185	0.66	1.92	0.01	1.47	Φ8	20	3.5
HP-2R7-J335VYJ13	2.7	3.3	140	70	0.82	3.05	0.01	2.3	Φ10	20	5
HP-2R7-J405VYJ09	2.7	4	150	100	0.96	3.38	0.012	2.07	Φ12.5	21	5
HP-2R7-J405VYJ07	2.7	4	150	100	0.96	3.38	0.012	1.6	Φ8	20	3.5
HP-2R7-J405VYJ13	2.7	4	140	70	0.97	3.46	0.012	2.29	Φ10	20	5
HP-2R7-J475VYJ09	2.7	4.7	120	60	1.14	4.06	0.014	3.2	Φ12.5	21	5
HP-2R7-J505VYJ13	2.7	5	135	90	1.19	4.03	0.014	2.18	Φ10	20	5
HP-2R7-J605VYJ11	2.7	6	90	60	1.46	5.26	0.016	3.02	Φ10	25	5
HP-2R7-J605VYJ13	2.7	6	115	75	1.42	4.79	0.016	2.28	Φ10	20	5
HP-2R7-J605VYJ09	2.7	6	90	60	1.46	5.26	0.016	3.25	Φ12.5	21	5
HP-2R7-J705VYJ13	2.7	7	120	80	1.62	4.88	0.019	2.1	Φ10	20	5
HP-2R7-J705VYJ05	2.7	7	120	80	1.62	4.88	0.019	2.23	Φ8	30	3.5
HP-2R7-J805VYJ09	2.7	8	75	50	1.93	6.75	0.022	3.77	Φ12.5	21	5
HP-2R7-J106VYJ12	2.7	10	85	55	2.31	7.3	0.028	3.2	Φ10	30	5
HP-2R7-J106VYJ09	2.7	10	85	55	2.31	7.3	0.028	3.56	Φ12.5	21	5
HP-2R7-J106VYJ10	2.7	10	60	40	2.41	8.44	0.028	4.4	Φ12.5	25	5
HP-2R7-J106VYJ19	2.7	10	60	40	2.41	8.44	0.028	4.8	Φ12.5	34	5
HP-2R7-J126VYJ19	2.7	12	60	40	2.83	9.42	0.036	5	Φ12.5	34	5
HP-2R7-J126VYJ09	2.7	12	80	40	2.72	8.27	0.036	3.34	Φ12.5	21	5
HP-2R7-J156VYJ19	2.7	15	60	38	3.43	10.66	0.045	4.52	Φ12.5	34	5
HP-2R7-J186VYJ10	2.7	18	60	30	4.12	12.79	0.054	4.2	Φ12.5	25	5
HP-2R7-J206VYJ21	2.7	20	40	25	4.66	15	0.06	7.32	Φ16	26	7.5
HP-2R7-J256VYJ22	2.7	25	40	25	5.87	19.77	0.075	8.78	Φ16	26	7.5
HP-2R7-J256VYJ21	2.7	25	40	25	5.63	16.88	0.075	6.4	Φ16	26	7.5
HP-2R7-J306VYJ21	2.7	30	35	22	6.69	19.76	0.09	6.98	Φ16	26	7.5
HP-2R7-J356VYJ21	2.7	35	30	20	7.81	23.05	0.11	7.89	Φ16	26	7.5
HP-2R7-J406VYJ22	2.7	40	30	20	8.71	24.55	0.12	9.2	Φ16	34	7.5

HP-2R7-J406VYJ25	2.7	40	30	20	8.71	24.55	0.12	11.58	Φ18	41	7.5
HP-2R7-J506VYJ25	2.7	50	30	20	10.38	27	0.14	14.33	Φ18	41	7.5
HP-2R7-J606VYJ25	2.7	60	30	20	11.91	28.93	0.16	14.2	Φ18	41	7.5
HP-2R7-J806VYJ25	2.7	80	25	20	15.43	36	0.22	13.9	Φ18	41	7.5
HP-3R0-J704VYJ06	3	0.7	825	550	0.19	0.67	0.006	0.83	Φ8	13	3.5
HP-3R0-J105VYJ06	3	1	450	300	0.28	1.03	0.007	1	Φ8	13	3.5
HP-3R0-J205VYJ07	3	2	300	200	0.54	1.88	0.01	1.28	Φ8	20	3.5
HP-3R0-J205VYJ06	3	2	450	300	0.51	1.58	0.01	1.11	Φ8	13	3.5
HP-3R0-J205VYJ08	3	2	375	250	0.52	1.71	0.01	1.29	Φ8	16	3.5
HP-3R0-J335VYJ07	3	3.3	210	140	0.87	2.92	0.014	1.6	Φ8	20	3.5
HP-3R0-J335VYJ13	3	3.3	210	140	0.87	2.92	0.014	1.87	Φ10	20	5
HP-3R0-J405VYJ13	3	4	150	100	1.07	3.75	0.015	1.99	Φ10	20	5
HP-3R0-J405VYJ07	3	4	150	100	1.07	3.75	0.015	1.6	Φ8	20	3.5
HP-3R0-J475VYJ09	3	4.7	135	90	1.25	4.31	0.016	3.02	Φ12.5	21	5
HP-3R0-J505VYJ07	3	5	135	90	1.32	4.48	0.016	1.62	Φ8	20	3.5
HP-3R0-J505VYJ13	3	5	135	90	1.32	4.48	0.016	2.18	Φ10	20	5
HP-3R0-J505VYJ04	3	5	135	90	1.32	4.48	0.016	1.75	Φ8	24	3.5
HP-3R0-J605VYJ13	3	6	115	75	1.58	5.33	0.018	2.28	Φ10	20	5
HP-3R0-J705VYJ13	3	7	115	70	1.81	5.82	0.021	2.34	Φ10	20	5
HP-3R0-J805VYJ11	3	8	90	60	2.2	6.98	0.024	2.76	Φ10	25	5
HP-3R0-J805VYJ09	3	8	90	60	2.1	6.98	0.024	3.14	Φ12.5	21	5
HP-3R0-J106VYJ11	3	10	90	60	2.54	7.89	0.03	2.88	Φ10	25	5
HP-3R0-J106VYJ12	3	10	85	55	2.56	8.11	0.03	3.2	Φ10	30	5
HP-3R0-J106VYJ09	3	10	85	55	2.56	8.11	0.03	3.56	Φ12.5	21	5
HP-3R0-J106VYJ10	3	10	85	55	2.56	8.11	0.03	3.11	Φ12.5	25	5
HP-3R0-J156VYJ19	3	15	60	38	3.81	11.84	0.047	4.82	Φ12.5	34	5
HP-3R0-J166VYJ20	3	16	60	38	4.03	12.24	0.05	5.95	Φ16	20	7.5
HP-3R0-J206VYJ20	3	20	60	38	4.84	13.64	0.07	5.95	Φ16	20	7.5
HP-3R0-J186VYJ10	3	18	60	30	4	12.98	0.06	4.34	Φ12.5	25	5
HP-3R0-J206VYJ19	3	20	45	30	5.08	15.79	0.07	5.61	Φ12.5	34	5
HP-3R0-J256VYJ19	3	25	45	30	6.12	17.65	0.08	6	Φ12.5	34	5
HP-3R0-J256VYJ21	3	25	45	30	6.12	17.65	0.08	7.6	Φ16	26	7.5
HP-3R0-J306VYJ21	3	30	40	30	7.26	20.45	0.1	8.01	Φ16	26	7.5
HP-3R0-J356VYJ22	3	35	35	20	8.68	25.61	0.12	8.79	Φ16	34	7.5
HP-3R0-J406VYJ22	3	40	30	20	9.68	27.27	0.13	9.5	Φ16	34	7.5
HP-3R0-J406VYJ25	3	40	30	20	9.68	27.27	0.13	10.9	Φ18	41	7.5
HP-3R0-J506VYJ25	3	50	30	20	11.54	30	0.15	11.94	Φ18	41	7.5
HP-3R0-J706VYJ85	3	70	30	20	17.99	33.87	0.17	14	Φ16	51	7.5
HP-3R0-J107VYJ27	3	100	23	15	20.69	46.15	0.4	17.7	Φ22	42	10

Snap-In Cover Terminal Series Specification Sheet

Part Number	Rated Voltage (V)	Rated Capacitance (F)	ESR (mΩ) DC	ESR (mΩ) AC	Rated Current (A, 25°C)	Max Current (A, 25°C)	Leakage Current (mA, 25°C & 72h)	Weight (g)	Diameter D	Height H	Lead Pitch P
HP-2R7-J107VYJ28	2.7	100	17	15	20.15	50	0.3	21	Φ22	46	10
HP-2R7-J127VYJ28	2.7	120	17	15	23.01	53.29	0.36	30.5	Φ22	46	10
HP-2R7-J127VYJ30	2.7	120	17	15	23.01	53.29	0.36	30.5	Φ25.4	54	10
HP-2R7-J157VJ90	2.7	150	17	15	26.88	57	0.45	26.2	Φ22	56	10
HP-2R7-J167VJ90	2.7	160	17	10	28.29	63	0.48	26.5	Φ22	56	10
HP-2R7-J157VYJ30	2.7	150	17	15	26.32	57.04	0.45	30.7	Φ25.4	54	10
HP-2R7-J207VJ30	2.7	200	15	10	33.75	67.5	0.6	31.4	Φ25.4	54	10
HP-2R7-J207VYJ30	2.7	200	15	10	33.75	67.5	0.6	37.8	Φ25.4	60	10
HP-2R7-J207VYJ31	2.7	200	15	10	33.75	67.5	0.6	37.8	Φ25.4	60	10
HP-2R7-J227VYJ31	2.7	220	15	10	35.78	69.07	0.66	38.6	Φ30	50	10
HP-2R7-J247VYJ31	2.7	240	15	10	37.67	70.43	0.72	37.6	Φ30	50	10
HP-2R7-J307VYJ31	2.7	300	15	10	42.63	73.64	0.9	58	Φ35	54	10
HP-2R7-J357VYJ32	2.7	350	15	10	46.1	75.6	1.05	58.1	Φ35	54	10
HP-2R7-J367VYJ33	2.7	360	15	10	46.73	75.94	1.08	67	Φ35	61	10
HP-2R7-J407VJ33	2.7	400	15	10	49.09	77.14	1.2	70.7	Φ35	61	10
HP-2R7-J507VJ33	2.7	500	15	10	54	79	1.5	69.32	Φ35	70	10
HP-2R7-J557VJ75	2.7	550	15	10	56	80	1.7	77.2	Φ35	70	10
HP-2R7-J607VJ75	2.7	600	15	10	57	81	1.8	77.2	Φ35	70	10
HP-3R0-J107VJ28	3	100	17	15	22.39	55.56	0.4	21.1	Φ22	46	10
HP-3R0-J107VYJ29	3	100	17	15	22.39	55.56	0.4	25.7	Φ25.4	40	10
HP-3R0-J127VJ28	3	120	17	15	25.5	59.2	0.5	20.7	Φ22	46	10
HP-3R0-J127VYJ29	3	120	17	15	25.57	59.21	0.5	26.5	Φ25.4	40	10
HP-3R0-J127VJ30	3	120	17	15	25.57	59.21	0.5	29.7	Φ25.4	54	10
HP-3R0-J127UG28	3	120	17	15	25	59	0.5	21.2	Φ22	46	10
HP-3R0-J157VYJ30	3	150	17	15	29.8	63.38	0.5	31.5	Φ25.4	54	10
HP-3R0-J157UYJ90	3	150	17	15	29	63	0.5	26.2	Φ22	56	10
HP-3R0-J157UGJ90	3	150	17	15	29	63	0.5	26.2	Φ22	56	10
HP-3R0-J167VJ90	3	160	15	10	32.4	70.5	0.5	25	Φ22	56	10
HP-3R0-J187UYJ30	3	180	17	15	33.5	66.5	0.6	32.4	Φ25.4	54	10
HP-3R0-J207UGJ30	3	200	17	15	35.7	68.1	0.7	30.1	Φ25.4	54	10
HP-3R0-J227VYJ31	3	220	17	15	37.76	69.62	0.8	38.2	Φ30	50	10
HP-3R0-J247VYJ31	3	240	17	15	39.65	70.87	0.82	38.6	Φ30	50	10
HP-3R0-J357VJ32	3	350	15	15	47.95	75.54	1.2	58.3	Φ35	54	10
HP-3R0-J367VJ33	3	360	15	10	51.92	84.38	1.3	67	Φ35	61	10
HP-3R0-J407UYJ33	3	400	15	10	54.55	85.71	1.3	67	Φ35	61	10
HP-3R0-J477UYJ33	3	470	15	10	58.5	87.5	1.41	67.5	Φ35	61	10
HP-3R0-J557UYJ44	3	550	15	10	62.26	89.19	1.7	88	Φ35	80	10

Screw Terminal Cover Series Specification Sheet

Part Number	Rated Voltage (V)	Rated Capacitance (F)	ESR (mΩ) DC	ESR (mΩ) AC (1kHz)	Rated Current (A, 25°C)	Max Current (A, 25°C)	Leakage Current (mA, 25°C & 72h)	Weight (g)	Diameter D	Height H	Lead Pitch P
HP-2R7-J707UNJ34	2.7	700	7.5	5	92.2	151.2	2.1	116.2	Φ35	96	12.7
HP-2R7-J807UNJ34	2.7	800	7.5	5	98.18	154.29	2.4	114.2	Φ35	96	12.7
HP-2R7-J108UNJ47	2.7	1000	7.5	5	108	158.82	3	174	Φ51	71	21.8
HP-2R7-J128UNJ49	2.7	1200	6	3	132.79	197.56	3.5	255.5	Φ51	92	21.8
HP-2R7-J158UNJ49	2.7	1500	6	3	144.64	202.5	4.5	263	Φ51	108	21.8
HP-2R7-J208UNJ50	2.7	2000	4	2	207.69	300	6	333	Φ51	133	21.8
HP-2R7-J248UNJ50	2.7	2400	4	2	221.92	364	7.2	355	Φ51	133	21.8
HP-2R7-J308UNJ52	2.7	3000	4	2	238.24	311.54	8	420	Φ64	133	28.2
HP-3R0-J807UNJ34	3	800	7.5	5	109.09	171.4	3	114.2	Φ35	96	12.7
HP-3R0-J108UNJ47	3	1000	7.5	5	120	176.5	3	174	Φ51	71	21.8
HP-3R0-J158UNJ49	3	1500	6	3	160	225	5	263	Φ51	108	21.8
HP-3R0-J208UNJ50	3	2000	4	2	230.77	333	7	333	Φ51	133	21.8
HP-3R0-J308UNJ52	3	3000	4	2	264	346	10	490	Φ64	133	28.2

Supercapacitor HP Series – Welded Type

Performance Features:

Ultra-low ESR, Instantaneous high current discharge, Strong vibration resistance

Typical Applications:

Rail transit, Automotive, Military industry, Emergency start power supply, Energy recovery devices, Energy storage, Wind energy, New energy sources

Series	HP Series	
Rated Voltage (VR)	2.7V	3.0V
Surge Voltage	2.85V	3.15V
Capacitance Range	300F ~ 5000F	300F ~ 3400F
Operating Temperature Range	-40°C ~ +70°C	-40°C ~ +65°C

Part Number	Rated Voltage (V)	Rated Capacitance (F)	ESR (mΩ) DC	ESR (mΩ) AC	Rated Current (A, 25°C)	Max Current (A, 25°C)	Leakage Current (mA, 25°C & 72h)	Max Continuous Current (A, ΔT15°C)	Weight (g)	Dimensions (mm) Diameter D	Height H	Height H1
HP-3R0-J307UDJ32	3	300	1.9	1	70	235	1.2	37	66	Φ35	57	62
HP-3R0-J357UDJ33	3	350	1.4	0.7	85	285	1.3	31	81	Φ35	65	70
HP-3R0-J407UDJ33	3	400	1.4	0.7	95	305	1.4	31	81	Φ35	65	70
HP-3R0-J507UDJ45	3	500	1.3	0.65	112	350	1.7	45	94	Φ35	69.9	75
HP-3R0-J607UDJ004	3	600	1.3	0.65	132	385	1.9	45	101.5	Φ35	81.2	86.2
HP-3R0-J727UDJ99	3	720	1.2	0.6	149	490	2.2	51	132	Φ35	101.5	110.1
HP-3R0-J108UDJ006	3	1000	1.5	0.7	210	610	6	50	145.5	Φ35	115.2	120.2
HP-2R7-J307UDJ32	2.7	300	1.9	1	65	230	1	37	66	Φ35	57	62
HP-2R7-J357UDJ33	2.7	350	1.4	0.7	80	280	1.1	31	81	Φ35	65	70
HP-2R7-J407UDJ33	2.7	400	1.4	0.7	90	300	1.2	31	81	Φ35	65	70
HP-2R7-J507UDJ45	2.7	500	1.3	0.65	107	350	1.5	45	94	Φ35	69.9	75
HP-2R7-J607UDJ004	2.7	600	1.3	0.65	127	380	1.7	45	101.5	Φ35	81.2	86.2
HP-2R7-J727UDJ99	2.7	720	1.1	0.6	144	485	2	51	132	Φ35	101.5	110.1
HP-2R7-J108UDJ006	2.7	1000	1.1	0.55	205	570	4.5	50	145.5	Φ35	115.2	120.2
HP-3R0-J128UMJ108	3	1200	0.52	/	300	1003	3	71	285	Φ60	74	/
HP-3R0-J158UMJ109	3	1500	0.47	/	395	1300	7	83	320	Φ60	85	/
HP-3R0-J308UMJ70	3	3000	0.2	/	800	2900	4.5	165	542	Φ60	138	/
HP-3R0-J348UMJ70	3	3400	0.25	/	760	2620	6	145	535	Φ60	138	/
HP-3R0-J508UMJ70	3	5000	0.25	/	1150	3330	8.5	160	535	Φ60	138	/
HP-2R7-J128UMJ108	2.7	1200	0.52	/	288	997	3	71	285	Φ60	74	/
HP-2R7-J158UMJ109	2.7	1500	0.47	/	354	1100	7	80	320	Φ60	85	/
HP-2R7-J308UMJ70	2.7	3000	0.2	/	631	1680	4.5	165	542	Φ60	138	/
HP-2R7-J348UMJ70	2.7	3400	0.23	/	740	2500	5.5	140	535	Φ60	138	/
HP-2R7-J508UMJ70	2.7	5000	0.25	/	1150	3330	8.5	160	535	Φ60	138	/

Supercapacitor HP Series – Micro Radial Lead Type

Performance Features:

Small product size (φ3–φ6 mm), Some models support reflow soldering process

Typical Applications:

Handwriting pens, Toys, E-cigarettes, Household appliances, Smart home, Consumer electronics

Series	HP Series		HT Series	LR Series
Rated Voltage (VR)	2.7V	3.0V	2.7V	2.7V
Surge Voltage	2.85V	3.15V	2.85V	2.85V
Capacitance Range	0.1F – 2.4F	0.1F – 2F	0.35F – 10F	0.1F – 0.5F
Operating Temperature Range	-40°C ~ +70°C	-40°C ~ +65°C	-40°C ~ +85°C	-40°C ~ +70°C

Part Number	Rated Voltage (V)	Rated Capacitance (F)	ESR (mΩ) DC	ESR (mΩ) AC	Rated Current (A, 25°C)	Max Current (A, 25°C)	Leakage Current (mA, 25°C & 72h)	Weight (g)	Dimensions (mm) Diameter	Height H	Lead Pitch P
HP-2R7-J104VYJ14	2.7	0.1	1400	900	0.026	0.12	0.003	0.27	Φ4.0	10	1.6
HP-2R7-J104VYJ03	2.7	0.1	1050	700	0.026	0.12	0.003	0.38	Φ5.0	12	2
HP-2R7-J104VYJ01	2.7	0.1	1050	700	0.026	0.12	0.003	0.36	Φ5.0	10	2
HP-2R7-J154VYJ01	2.7	0.15	625	250	0.04	0.19	0.003	0.38	Φ5.0	10	2
HP-2R7-J204VYJ07	2.7	0.2	900	600	0.052	0.23	0.003	0.44	Φ5.0	12	2
HP-2R7-J204VYJ03	2.7	0.2	900	600	0.052	0.25	0.003	0.41	Φ5.0	12	2
HP-2R7-J254VYJ02	2.7	0.25	300	200	0.066	0.3	0.003	0.44	Φ5.0	12	2
HP-2R7-J304VYJ14	2.7	0.3	1700	1000	0.07	0.23	0.003	0.35	Φ4.0	10	1.6

HP-2R7-J354VYJ03	2.7	0.35	375	250	0.092	0.42	0.003	0.44	Φ5.0	12	2
HP-2R7-J504VYJ03	2.7	0.5	1950	1300	0.11	0.34	0.004	0.48	Φ5.0	12	2
HP-2R7-J504VYJ16	2.7	0.5	525	350	0.13	0.53	0.004	0.56	Φ6.3	10	2.5
HP-2R7-J504VYJ17	2.7	0.5	525	350	0.13	0.53	0.004	0.64	Φ6.3	12.5	2.5
HP-2R7-J704VYJ15	2.7	0.7	1950	1300	0.15	0.4	0.004	0.42	Φ4.0	18	1.6
HP-2R7-J105VYJ82	2.7	1	825	550	0.23	0.74	0.005	0.53	Φ4.0	25.5	1.6
HP-2R7-J105VYJ86	2.7	1	825	550	0.23	0.82	0.007	0.53	Φ6.3	10	2.5
HP-2R7-J155VYJ88	2.7	1.5	525	350	0.35	1.1	0.007	0.68	Φ4.0	35	1.6
HP-2R7-J155VYJ78	2.7	1.5	720	480	0.33	0.97	0.007	0.68	Φ5.0	24	2
HP-2R7-J245VYJ89	2.7	2.4	300	200	0.57	1.88	0.01	1.06	Φ5.0	35	2
HP-2R7-J504VYA16(C19)(SME)	2.7	0.5	2300	1500	0.11	0.31	0.003	1.1	Φ8.2	14.5	2.5
HP-2R7-J105VYJ17(C19)(SME)	2.7	1	975	650	0.23	0.68	0.005	1.2	Φ8.2	16.5	2.5
HT-2R7-J354VYJ03	2.7	0.35	1275	850	0.087	0.33	0.003	0.4	Φ5	12	2
HT-2R7-J504VYJ17	2.7	0.5	825	550	0.12	0.48	0.004	0.53	Φ6.3	12.5	2.5
HT-2R7-J504VYJ16	2.7	0.5	1275	850	0.12	0.41	0.004	0.44	Φ6.3	10	2.5
HT-2R7-J704VYJ06	2.7	0.7	825	550	0.17	0.6	0.004	0.83	Φ8	13	3.5
HT-2R7-J704VYJ78	2.7	0.7	1050	700	0.16	0.54	0.004	0.49	Φ8	24	2
HT-2R7-J105TYJ16	2.7	1	825	550	0.23	0.74	0.005	0.53	Φ6.3	10	2.5
HT-2R7-J105TYJ82	2.7	1	825	550	0.23	0.74	0.005	0.52	Φ8	25	1.6
HT-2R7-J105VYJ17	2.7	1	825	550	0.23	0.74	0.005	0.6	Φ6.3	12	2.5
HT-2R7-J155VYJ18	2.7	1.5	525	350	0.35	1.13	0.007	0.65	Φ6.3	14	2.5
HT-2R7-J205VYJ42	2.7	2	360	240	0.47	1.57	0.008	1.07	Φ6.3	22	2.5
HT-2R7-J106VYJ12 (C19)	2.7	10	55	85	2.31	7.3	0.028	3.2	Φ10	32	5
HP-3R0-J104VYJ14	3	0.1	1400	700	0.09	0.13	0.003	0.27	Φ4	10	1.6
HP-3R0-J104VYJ01	3	0.1	1400	700	0.029	0.13	0.005	0.36	Φ5	10	2
HP-3R0-J254VYJ65	3	0.25	2300	1400	0.067	0.24	0.004	0.23	Φ3	17.6	1
HP-3R0-J354VYJ03	3	0.35	1275	850	0.096	0.36	0.004	0.4	Φ5	12	2
HP-3R0-J504VYJ17	3	0.5	825	550	0.14	0.53	0.005	0.53	Φ6.3	12.5	2.5
HP-3R0-J155VYJ18	3	1.5	525	350	0.39	1.26	0.009	0.65	Φ6.3	14	2.5
HP-3R0-J205VYJ42	3	2	360	240	0.52	1.74	0.011	1.07	Φ6.3	22	2.5
LR-2R7-J254VYJ03	2.7	0.25	375	150	0.066	0.29	0.003	0.44	Φ5	12	2
LR-3R0-J104VYJ03	3	0.1	1000	500	0.03	0.12	0.003	0.38	Φ5	12	2
LR-3R0-J354VYJ03	3	0.35	500	250	0.09	0.38	0.004	0.44	Φ5	12	2
LR-3R0-J504VYJ17	3	0.5	450	300	0.14	0.61	0.005	0.58	Φ6.3	12.5	2.5

Super Capacitor HT Series

Performance Feature

High temperature 85°C series

Typical Applications

Smart meters, car recorders, security monitoring, communication transmission, controllers, military equipment, medical devices, consumer electronics, etc.

Series Name	HT Series	
Rated Voltage VR	2.7V	5.5V
Surge Voltage	2.85V	5.8V
Capacitance Range	1.0F ~ 100F	0.1F ~ 20F
Operating Temperature Range	-40 ~ +85°C	-40 ~ +85°C

HT Series Specification Sheet

Part Number	Rated Voltage (V)	Rated Capacitance (F)	ESR (m Ω) DC	ESR (m Ω) AC	Rated Current (A, 25°C)	Max Current (A, 25°C)	Leakage Current (mA, 25°C & 72h)	Weight (g)	Dimensions (mm) Diameter	Height H	Lead Pitch P
HT-2R7-J105VYJ06	2.7	1	450	300	0.25	0.93	0.005	1	Φ8	13	3.5
HT-2R7-J205VYJ06	2.7	2	450	300	0.46	1.42	0.008	1.11	Φ8	13	3.5
HT-2R7-J205VYJ08	2.7	2	375	250	0.47	1.54	0.008	1.29	Φ8	16	3.5
HT-2R7-J205VYJ07	2.7	2	300	200	0.48	1.69	0.008	1.28	Φ8	20	3.5
HT-2R7-J335VYJ07	2.7	3.3	450	300	0.78	2.63	0.01	1.5	Φ8	20	3.5
HT-2R7-J335VYJ13	2.7	3.3	900	600	0.78	2.63	0.01	1.87	Φ10	20	5
HT-2R7-J405VYJ13	2.7	4	150	100	0.96	3.38	0.012	1.99	Φ10	20	5
HT-2R7-J405VYJ07	2.7	4	150	100	0.96	3.38	0.012	1.6	Φ8	20	3.5
HT-2R7-J475VYJ09	2.7	4.7	135	90	1.13	3.88	0.014	3.02	Φ12.5	21	5
HT-2R7-J505TYJ07	2.7	5	135	90	1.19	4.03	0.014	1.62	Φ8	20	3.5
HT-2R7-J505VYJ07	2.7	5	135	90	1.19	4.03	0.014	1.62	Φ8	20	3.5
HT-2R7-J505VYJ13	2.7	5	135	90	1.19	4.03	0.014	2.18	Φ10	20	5
HT-2R7-J505VYJ04	2.7	5	135	90	1.19	4.03	0.014	1.75	Φ8	24	3.5
HT-2R7-J605TYJ04	2.7	6	135	90	1.39	4.48	0.016	1.75	Φ8	24	3.5
HT-2R7-J605VYJ13	2.7	6	115	75	1.42	4.79	0.016	2.28	Φ10	20	5
HT-2R7-J705VYJ13	2.7	7	105	70	1.65	5.45	0.019	2.34	Φ10	20	5
HT-2R7-J705VYJ09	2.7	7	105	70	1.65	5.45	0.019	2.52	Φ12.5	21	5
HT-2R7-J705VYJ05	2.7	7	105	70	1.65	5.45	0.019	2.23	Φ8	20	3.5
HT-2R7-J126VYJ10	2.7	12	75	50	2.75	8.53	0.036	3.54	Φ12.5	25	5
HT-2R7-J156VYJ10	2.7	15	60	38	3.43	10.66	0.045	4.28	Φ12.5	25	5
HT-2R7-J156VYJ19	2.7	15	60	38	3.43	10.66	0.045	4.82	Φ12.5	34	5
HT-2R7-J166VYJ20	2.7	16	60	38	3.62	11.02	0.048	5.95	Φ16	20	7.5
HT-2R7-J186VYJ10	2.7	18	60	30	4.02	11.68	0.054	4.34	Φ12.5	25	5
HT-2R7-J206VYJ21	2.7	20	45	30	4.58	14.21	0.06	6.45	Φ16	26	7.5
HT-2R7-J206VYJ19	2.7	20	45	30	4.58	14.21	0.06	5.61	Φ12.5	34	5
HT-2R7-J256VYJ19	2.7	25	45	30	5.51	15.88	0.069	6	Φ12.5	34	5
HT-2R7-J256VYJ21	2.7	25	45	30	5.51	15.88	0.075	7.6	Φ16	26	7.5
HT-2R7-J256VYJ22	2.7	25	45	30	5.51	15.88	0.075	7.79	Φ16	34	7.5
HT-2R7-J256VYJ22	2.7	25	45	30	5.51	15.88	0.075	7.79	Φ16	34	7.5
HT-2R7-J306VYJ21	2.7	30	40	20	6.53	18.41	0.09	8.01	Φ16	26	7.5
HT-2R7-J306VYJ22	2.7	30	40	25	6.53	18.41	0.09	8.37	Φ16	34	7.5
HT-2R7-J356VYJ22	2.7	35	30	20	7.81	23.05	0.11	8.79	Φ16	34	7.5

HT-2R7-J406VYJ22	2.7	40	30	20	8.71	24.55	0.12	9.5	Φ16	34	7.5
HT-2R7-J406VYJ25	2.7	40	30	20	8.71	24.55	0.12	10.9	Φ18	41	7.5
HT-2R7-J506VYJ25	2.7	50	30	20	10.38	27	0.14	11.94	Φ18	41	7.5
HT-2R7-J506VYJ40	2.7	50	30	20	10.38	27	0.14	11.56	Φ18	34	7.5
HT-2R7-J606VYJ25	2.7	60	30	20	11.91	28.93	0.16	13.53	Φ18	41	7.5
HT-2R7-J107VYJ27	2.7	100	23	15	18.62	41.54	0.3	21.1	Φ22	42	10
HT-2R7-J107VYJ26	2.7	100	23	15	18.62	41.54	0.3	16.3	Φ18	60	7.5

HT Series Configuration Specifications

Product Model	Rated Voltage (V)	Rated Capacitance (F)	ESR DC (mΩ)	ESR AC (mΩ)	Rated Current (A, 25°C)	Max Current (A, 25°C)	Leakage Current (mA, 25°C & 72h)	Weight (g)	Width F ±1	Length A ±1	Height B ±1	Lead Pitch P ±0.5
HT-5R5-Z104VYE01	5.5	0.1	6000	3000	0.05	0.17	0.003	0.8	5.5	12	12	6.8
HT-5R5-Z224VYE16	5.5	0.22	2200	1100	0.11	0.41	0.004	1.7	7	13.5	15	9
HT-5R5-Z334VYE06	5.5	0.33	1650	1100	0.2	0.59	0.004	2.1	8.5	15.5	15	12
HT-5R5-Z474VYE06	5.5	0.47	900	600	0.24	0.91	0.005	2.1	8.5	16.5	15	12
HT-5R5-Z105VYE07	5.5	1	520	400	0.42	1.3	0.006	3.5	10	16.5	18	12.5
HT-5R5-Z155VYE07	5.5	1.5	420	180	0.73	2.02	0.007	3.6	8.5	16.5	22	12
HT-5R5-Z205VYE09	5.5	2	300	200	0.83	2.87	0.01	4.8	10	21.5	22	12.5
HT-5R5-Z205VYE09	5.5	2	270	150	0.92	3.27	0.012	4.7	10	21.5	22	12.5
HT-5R5-Z255VYE13	5.5	2.5	250	130	1.06	3.73	0.013	6	13	25.5	23	15.3
HT-5R5-Z305VYE13	5.5	3	230	120	1.2	4.36	0.015	6.1	13	25.5	23	15.3
HT-5R5-Z355VYE09	5.5	3.5	210	120	1.81	5.55	0.019	6.7	13	25.5	23	17.8
HT-5R5-Z355VYE11	5.5	3.5	210	120	1.68	5.55	0.022	6	10.5	20.5	27	15.3
HT-5R5-Z405VYE09	5.5	4	120	100	1.92	6.4	0.022	7	13	25.5	23	17.8
HT-5R5-Z505VYE11	5.5	5	180	100	1.92	6.4	0.022	5.7	10.5	20.5	27	15.3
HT-5R5-Z505VYE11	5.5	5	150	90	2.3	7.43	0.028	6	10.5	20.5	27	15.3
HT-5R5-Z505VYE19	5.5	5	150	90	2.35	7.43	0.028	12.1	13	25.5	36	17.8
HT-5R5-Z605VYE09	5.5	6	135	90	2.8	8.68	0.036	8.2	13	25.5	27	17.8
HT-5R5-Z605VYE12	5.5	6	135	90	2.8	8.68	0.036	7.3	10.5	20.5	33.5	15.3
HT-5R5-Z605VYE15	5.5	6	120	80	2.8	8.68	0.036	12	13	25.5	36	17.8
HT-5R5-Z755VYE10	5.5	7.5	120	76	3.5	10.86	0.045	9.2	13	25.5	27	17.8
HT-5R5-Z805VYE10	5.5	8	120	60	3.69	11.22	0.054	8.7	13	25.5	27	17.8
HT-5R5-Z905VYE10	5.5	9	120	60	4.07	11.9	0.054	8.9	13	25.5	27	17.8
HT-5R5-Z106VYE19	5.5	10	90	60	4.66	14.47	0.06	12.2	13	25.5	36	17.8
HT-5R5-Z106VYE41	5.5	10	90	60	4.66	14.47	0.07	10.5	13	25.5	36	17.8
HT-5R5-Z126VYL21	5.5	12	90	60	5.43	15.87	0.075	15.9	16.5	32.5	28	24
HT-5R5-Z156VYL21	5.5	15	90	60	6.99	21.71	0.09	16.5	16.5	32.5	28	24
HT-5R5-Z156VYL22	5.5	15	90	60	6.99	21.71	0.09	19.41	17.8	16.5	32.5	36
HT-5R5-Z176VYL22	5.5	17	90	45	7.16	18.48	0.11	17.5	16.5	32.5	36	24
HT-5R5-Z206VYL22	5.5	20	90	45	8.87	25	0.11	18	16.5	32.5	36	24
HT-5R5-Z104VYA01	5.5	0.1	3000	6000	0.49	0.172	0.003	6.6	12	13.5	7	9
HT-5R5-Z224VYA16	5.5	0.22	1100	2200	0.11	0.41	0.004	1.91	8	14.6	13.5	9
HT-5R5-Z334VYA06	5.5	0.33	1650	1100	0.16	0.58	0.004	3.7	9.6	18	18	11.5
HT-5R5-Z474VYA06	5.5	0.47	900	600	0.22	0.73	0.005	3.9	9.6	18	18	11.5
HT-5R5-Z105UYA06	5.5	1	320	720	0.48	1.6	0.008	4.1	9.6	18	18	11.5
HT-5R5-Z105VYA07	5.5	1	320	720	0.48	1.6	0.008	5.2	9.6	18	25.5	11.5
HT-5R5-Z105VYA08	5.5	1	320	720	0.48	1.6	0.008	4.6	9.6	18	21.8	11.5
HT-5R5-Z155VYA07	5.5	1.5	260	420	0.73	2.53	0.01	5.1	9.6	18	25.5	11.5
HT-5R5-Z255VYA07	5.5	2.5	150	300	1.22	3.93	0.014	5.26	9.6	18	25.5	11.5
HT-5R5-Z255VYA13	5.5	2.5	150	300	1.21	4.1	0.014	8.1	11.6	22	25.5	15.3
HT-5R5-Z305VYA13	5.5	3	150	230	1.45	4.88	0.016	8.1	11.6	22	25.5	15.3
HT-5R5-Z355VYA13	5.5	3.5	120	210	1.68	5.55	0.019	8.2	11.6	22	25.5	15.3
HT-5R5-Z505UYA11	5.5	5	120	180	2.33	7.23	0.028	9.5	11.6	22	30.5	15.3

Super Capacitor LR Series

Performance Features:

Low ESR series. The product adopts new internal design and advanced materials to ensure low ESR characteristics.

Typical Applications:

Smart meters, smart home appliances, household appliances, consumer electronics, smart grid control, daily electronic products, distribution terminals, communication transmission, controllers, solar energy products, medical devices, toys, etc.

Series Name	Rated Voltage VR	Surge Voltage	Capacitance Range	Operating Temperature
LR Series	2.7V	2.85V	1.0F ~ 600F	-40 ~ +70°C
	3.0V	3.15V	0.2F ~ 600F	-40 ~ +65°C
	5.5V	5.8V	0.1F ~ 8F	-40 ~ +70°C
	7.5V	7.9V	0.33F ~ 3.3F	-40 ~ +70°C

LR Series Individual Product Specifications

Part Number	Rated Voltage (V)	Rated Capacitance (F)	ESR (m Ω) DC	ESR (m Ω) AC	Rated Current (A, 25°C)	Max Current (A, 25°C)	Leakage Current (mA, 25°C & 72h)	Weight (g)	Dimensions (mm) Diameter	Height H	Lead Pitch P
LR-2R7-J105VYJ06	2.7	1	170	85	0.26	1.15	0.005	1.02	Φ8	13	3.5
LR-2R7-J205VYJ07	2.7	2	140	70	0.51	2.11	0.008	1.3	Φ8	20	3.5
LR-2R7-J205VYJ08	2.7	2	140	70	0.51	2.11	0.008	1.28	Φ8	16	3.5
LR-2R7-J205VYJ13	2.7	2	140	70	0.51	2.11	0.008	1.89	Φ10	20	5
LR-2R7-J335VYJ07	2.7	3.3	120	60	0.83	3.19	0.01	1.55	Φ8	20	3.5
LR-2R7-J505UYJ04	2.7	5	80	40	1.25	4.82	0.014	1.78	Φ8	24	3.5
LR-2R7-J505VYJ13	2.7	5	110	55	1.22	4.14	0.014	2.2	Φ10	30	5
LR-2R7-J605VYJ05	2.7	6	70	35	1.49	5.42	0.016	2.09	Φ8	30	3.5
LR-2R7-J605VYJ13	2.7	6	80	40	1.48	5.2	0.016	2.17	Φ10	20	5
LR-2R7-J705VYJ13	2.7	7	80	40	1.7	5.75	0.019	2.29	Φ10	20	5

LR-2R7-J805VYJ11	2.7	8	70	35	1.94	6.58	0.022	2.63	Φ10	25	5
LR-2R7-J106VYJ11	2.7	10	70	35	2.37	7.94	0.028	2.84	Φ10	25	5
LR-2R7-J106VYJ12	2.7	10	60	30	2.41	8.44	0.028	3.26	Φ10	30	5
LR-2R7-J106VYJ09	2.7	10	60	30	2.41	8.44	0.028	3.57	Φ12.5	21	5
LR-2R7-J156VYJ10	2.7	15	60	30	3.52	11.57	0.045	4.27	Φ12.5	25	5
LR-2R7-J206VYJ21	2.7	20	45	23	4.86	15	0.06	6.71	Φ16	26	7.5
LR-2R7-J256VYJ21	2.7	25	36	18	6.08	17.76	0.075	7.97	Φ16	26	7.5
LR-3R0-J105VYJ06	3	1	100	50	0.9	1.25	0.007	1.02	Φ8	13	3.5
LR-3R0-J505VYJ04	3	5	80	40	1.3	5.3	0.016	1.78	Φ8	24	3.5
LR-3R0-J805VYJ09	3	8	50	25	2.4	7.33	0.02	3.14	Φ12.5	21	5
LR-3R0-J106VYJ12	3	10	50	25	2.8	9.1	0.03	3.4	Φ10	30	5
LR-3R0-J506VYJ25	3	50	26	13	10.7	27.8	0.15	11.94	Φ18	41	7.5

LR Series Cover Plate Specifications

LR-3R0-J107UYJ28	3	100	9	6	25.4	78.9	0.4	21	Φ22	46	10
LR-2R7-J247VYJ30	2.7	240	6	4	50.3	132.7	0.72	32.5	Φ25.4	52	10
LR-2R7-J247VYJ31	2.7	240	7	4	48	120	0.72	37.9	Φ30	50	10
LR-2R7-J307VYJ31	2.7	300	7	4	65.3	184	0.9	38.5	Φ30	50	10
LR-3R0-J367VYJ33	3	360	4.5	3	73.41	185.5	1.1	70	Φ35	61	10
LR-3R0-J407UYJ33	3	400	4.5	3	79.41	192.9	1.2	70	Φ35	61	10
LR-2R7-J477UYJ33	2.7	470	3.5	3	95.4	206.3	1.4	72.2	Φ35	61	10
LR-2R7-J507UHJ33	2.7	500	4.5	3	93.1	207.6	1.5	64.9	Φ35	61	10
LR-3R0-J507VHJ012	3	500	4.5	3	103.2	230.7	1.6	80.5	Φ35	72	14
LR-3R0-J607VHJ012	3	600	3.5	3	120.2	289	1.9	83.3	Φ35	72	14

LR Series Configuration Specifications

Product Model	Rated Voltage (V)	Rated Capacitance (F)	ESR DC (mΩ)	ESR AC (mΩ)	Rated Current (A,25°C)	Max Current (A,25°C)	Leakage Current (mA,25°C&72h)	Weight (g)	Width F ±1	Length A ±1	Height B ±1	Lead Pitch P ±0.5
LR-5R5-Z104VYE03	5.5	0.1	750	300	0.05	0.26	0.003	0.9	5.5	10.5	14	6.8
LR-5R5-Z224VYE07	5.5	0.22	1300	650	0.11	0.47	0.004	0.8	5.5	10.5	12	6.8
LR-5R5-Z474VYE06	5.5	0.47	280	140	0.25	1.11	0.005	2.2	8.5	16.5	15	12
LR-5R5-Z105VYE08	5.5	1	280	140	0.52	2.15	0.008	2.7	8.5	16.5	18	12
LR-5R5-Z105VYE13	5.5	1	280	140	0.52	2.15	0.008	4	10.5	20.5	22	15.3
LR-5R5-Z155VYE07	5.5	1.5	240	120	0.77	3.03	0.01	3.3	8.5	16.5	22	12
LR-5R5-Z255VYE13	5.5	2.5	220	110	1.21	4.44	0.014	6	10.5	20.5	22	15.3
LR-5R5-Z305VYE05	5.5	3	300	140	1.52	5.81	0.016	4.3	8.5	16.5	32	12
LR-5R5-Z305VYE13	5.5	3	300	140	1.51	5.57	0.016	4.6	10.5	20.5	22	15.3
LR-5R5-Z355VYE11	5.5	3.5	140	70	1.75	6.46	0.022	5.5	10.5	20.5	27	15.3
LR-5R5-Z355VYE13	5.5	3.5	140	70	1.81	6.17	0.019	4	10.5	20.5	22	15.3
LR-5R5-Z405VYE11	5.5	4	140	70	1.98	7.05	0.022	5.5	10.5	20.5	27	15.3
LR-5R5-Z505VYE09	5.5	5	120	60	2.46	8.59	0.028	7	13	25.5	23	17.8
LR-5R5-Z505VYE11	5.5	5	140	70	2.41	8.09	0.028	5.9	10.5	20.5	27	15.3
LR-5R5-Z505VYE12	5.5	5	140	70	2.46	8.59	0.028	6.7	10.5	20.5	33.5	15.3
LR-5R5-Z755VYE10	5.5	7.5	140	70	3.59	11.79	0.045	7.4	13	25.5	27	17.8
LR-6R0-Z504VYE06	6	0.5	340	170	0.29	1.28	0.005	2.2	8.5	16.5	15	12
LR-6R0-Z255VYE13	6	2.5	270	135	1.32	4.48	0.016	4.6	10.5	20.5	22	15.3
LR-7R5-Z334VYL06	7.5	0.33	420	210	0.58	1.94	0.008	3.5	8.5	15	15	13.3
LR-7R5-Z664VYL07	7.5	0.66	420	210	0.47	1.94	0.008	4.3	8.5	24.5	22	13.3
LR-7R5-Z255VYL11	7.5	2.5	210	105	1.7	6.15	0.022	8.2	10.5	30.5	27	15.8
LR-7R5-Z335VYL11	7.5	3.3	210	105	2.17	7.31	0.028	9	10.5	30.5	27	15.8

Super Capacitor SP Series

Performance Features

Standard power series

Typical Applications

Smart meters, smart home appliances, household appliances, consumer electronics, smart grid control, daily electronic products, distribution terminals, communication transmission, controllers, solar energy products, medical devices, toys, etc.

Series Name	Rated Voltage VR	Surge Voltage	Capacitance Range	Operating Temperature Range
SP Series	5.5V	5.8V	0.047F ~ 15F	-40 ~ +70°C
	6.0V	6.3V	0.1F ~ 15F	-40 ~ +65°C
	7.5V	7.9V	0.33F ~ 3.3F	-40 ~ +70°C

SP Series Configuration Specifications

Product Model	Rated Voltage (V)	Rated Capacitance (F)	ESR DC (mΩ)	ESR AC (mΩ)	Rated Current (A,25°C)	Max Current (A,25°C)	Leakage Current (mA,25°C&72h)	Weight (g)	Width F ±1	Length A ±1	Height B ±1	Lead Pitch P ±0.5
SP-5R5-Z473VYE01	5.5	0.047	2100	1400	0.03	0.12	0.003	4.8	5.5	10.5	12	6.8
SP-5R5-Z104VYE01	5.5	0.1	1200	600	0.05	0.23	0.003	0.8	5.5	10.5	12	6.8
SP-5R5-Z224VYE16	5.5	0.22	1000	700	0.12	0.49	0.004	1.2	7	13.5	12	9
SP-5R5-Z224VYE17	5.5	0.22	1000	700	0.12	0.49	0.004	1.4	7	13.5	15	9
SP-5R5-Z334VYE06	5.5	0.33	600	400	0.17	0.7	0.004	2.1	8.5	16.5	15	12
SP-5R5-Z474VYE06	5.5	0.47	400	260	0.24	0.91	0.005	2.2	8.5	16.5	15	12
SP-5R5-Z105VYE07	5.5	1	400	260	0.51	1.96	0.008	3.1	8.5	16.5	22	12
SP-5R5-Z155TYE07	5.5	1.5	480	240	0.72	2.4	0.01	3.3	8.5	16.5	22	12
SP-5R5-Z155VYE36	5.5	1.5	560	280	0.71	2.24	0.01	4.2	10.5	20.5	19	15.3
SP-5R5-Z205VYE07	5.5	2	300	200	0.98	3.44	0.012	3.4	8.5	16.5	22	12
SP-5R5-Z205VYE09	5.5	2	240	120	1	3.72	0.014	6.7	13	25.5	23	17.8
SP-5R5-Z205VYE36	5.5	2	200	200	0.95	3.06	0.014	4.3	10.5	20.5	19	15.3
SP-5R5-Z255VYE13	5.5	2.5	220	180	1.21	4.1	0.014	4.6	10.5	20.5	22	15.3
SP-5R5-Z305VYE09	5.5	3	180	120	1.49	5.36	0.016	6.8	13	25.5	23	17.8

SP-5R5-Z305VYE11	5.5	3	180	120	1.49	5.36	0.016	4.9	10.5	20.5	27	15.3
SP-5R5-Z305VYE13	5.5	3	225	150	1.45	4.93	0.016	4.9	10.5	20.5	22	15.3
SP-5R5-Z355VYE13	5.5	3.5	240	160	1.65	5.23	0.019	4.6	10.5	20.5	22	15.3
SP-5R5-Z405VYE09	5.5	4	180	100	1.96	6.88	0.022	8	13	25.5	23	17.8
SP-5R5-Z405VYE11	5.5	4	180	100	1.92	6.4	0.022	5.7	10.5	20.5	27	15.3
SP-5R5-Z405VYE13	5.5	4	240	120	1.85	5.61	0.022	4.6	10.5	20.5	22	15.3
SP-5R5-Z505VYE09	5.5	5	150	110	2.36	7.53	0.028	7.6	13	25.5	23	17.8
SP-5R5-Z505VYE10	5.5	5	120	80	2.46	8.59	0.028	9.4	13	25.5	27	17.8
SP-5R5-Z505VYE11	5.5	5	150	100	2.37	7.64	0.028	5.5	10.5	20.5	27	15.3
SP-5R5-Z605VYE09	5.5	6	180	100	2.84	8.42	0.036	7.2	13	25.5	23	17.8
SP-5R5-Z605VYE12	5.5	6	180	90	3.23	9.12	0.036	7.3	10.5	20.5	33.5	15.3
SP-5R5-Z605VYE19	5.5	6	160	80	2.88	9.59	0.036	12.1	13	25.5	36	17.8
SP-5R5-Z755VYE10	5.5	7.5	170	80	3.56	11.54	0.045	7.9	13	25.5	27	17.8
SP-5R5-Z106VYL21	5.5	10	75	50	4.78	15.71	0.06	15.4	16.5	32.5	28	24
SP-5R5-Z106UYE19	5.5	12	90	60	5.43	15.87	0.075	12.3	13	25.5	36	17.8
SP-5R5-Z126VYL21	5.5	12	75	50	5.59	17.37	0.075	13.7	16.5	32.5	28	24
SP-5R5-Z156VYE19	5.5	15	70	47	6.82	20.14	0.09	12.2	13	25.5	36	17.8
SP-5R5-Z156VYL21	5.5	15	66	44	6.89	20.73	0.09	14.4	16.5	32.5	28	24
SP-5R5-Z156VYL22	5.5	15	60	40	6.99	21.71	0.09	19.1	16.5	32.5	36	24
SP-5R5-Z166UYL22	5.5	16	60	40	7.38	22.45	0.09	19.1	16.5	32.5	36	24
SP-5R5-Z176VYL21	5.5	17	70	43	7.77	23.14	0.11	16.3	16.5	32.5	28	24
SP-5R5-Z206VYL22	5.5	20	60	40	8.87	25	0.12	17.9	16.5	32.5	36	24
SP-6R0-Z104VYE01	6	0.1	6000	3000	0.05	0.19	0.003	0.8	5.5	10.5	12	6.8
SP-6R0-Z224VYE16	6	0.22	2200	1100	0.12	0.44	0.004	1	7	13.5	12	9
SP-6R0-Z334VYE06	6	0.33	1650	1100	0.18	0.64	0.004	2.1	8.5	16.5	15	12
SP-6R0-Z474VYE06	6	0.47	900	600	0.26	0.99	0.005	2.1	8.5	16.5	15	12
SP-6R0-Z105VYE07	6	1	720	320	0.51	1.88	0.008	2.7	8.5	16.5	22	12
SP-6R0-Z155VYE07	6	1.5	420	180	0.8	2.76	0.014	3.3	8.5	16.5	22	12
SP-6R0-Z255VYE13	6	2.5	270	140	1.32	4.48	0.014	4.6	10.5	20.5	22	15.3
SP-6R0-Z305VYE13	6	3	230	130	1.58	5.33	0.016	4.8	10.5	20.5	22	15.3
SP-6R0-Z355VYE13	6	3.5	210	120	1.81	5.86	0.021	4.9	10.5	20.5	22	15.3
SP-6R0-Z405VYE11	6	4	180	100	2.1	6.98	0.022	5.7	10.5	20.5	27	15.3
SP-6R0-Z505VYE10	6	5	170	90	2.58	8.22	0.03	8.1	13	25.5	27	17.8
SP-6R0-Z505VYE12	6	5	170	90	2.58	8.22	0.028	6.6	10.5	20.5	33.5	15.3
SP-6R0-Z505VYE86	6	5	170	90	2.46	7.14	0.028	6.6	10.5	20.5	30	15.3
SP-6R0-Z605VYE09	6	6	150	100	3.05	9.47	0.036	8.2	13	25.5	23	17.8
SP-6R0-Z605VYE10	6	6	150	100	3.05	9.47	0.036	8.8	13	25.5	27	17.8
SP-6R0-Z755VYE10	6	7.5	120	76	3.84	12.13	0.045	9.2	13	25.5	27	17.8
SP-6R0-Z905VYE10	6	9	120	60	4.58	14.21	0.054	8.9	13	25.5	27	17.8
SP-6R0-Z106VYE19	6	10	90	60	5.08	15.79	0.06	12.2	13	25.5	36	17.8
SP-6R0-Z126VYL21	6	12	90	60	5.92	17.31	0.08	15.6	16.5	32.5	28	24
SP-6R0-Z156VYL21	6	15	85	60	7.63	23.68	0.1	16.5	16.5	32.5	28	24
SP-6R0-Z206VYL22	6	20	60	40	8.87	27.27	0.12	19.4	16.5	32.5	36	24
SP-7R5-Z334VYL06	7.5	0.33	390	200	0.23	0.86	0.005	3.5	8.5	24.5	15	13.3
SP-7R5-Z105UYL07	7.5	1	720	360	0.66	2.18	0.01	4.8	8.5	24.5	22	13.3
SP-7R5-Z105VYL13	7.5	1	420	210	0.69	2.64	0.01	7.2	10.5	30.5	22	15.8
SP-7R5-Z205VYL13	7.5	2	360	240	1.31	4.36	0.019	7.2	10.5	30.5	22	15.8

Super Capacitor SE Series – Combination Type

Performance Features

Standard energy series.

Typical Applications:

Smart meters, UPS, uninterruptible power supplies, security devices, computer memory storage, communication equipment, household appliances, consumer electronics, industrial equipment, etc.

Series Name	Rated Voltage VR	Surge Voltage	Capacitance Range	Operating Temperature
SE Series	5.0V	5.3V	0.33F ~ 0.47F	-25 ~ +70°C
	5.5V	5.8V	0.1F ~ 10F	-25 ~ +70°C
	7.5V	7.9V	0.22F ~ 3.3F	-25 ~ +70°C

SE Series Configuration Specifications

Product Model	Rated Voltage (V)	Rated Capacitance (F)	ESR DC (mΩ)	ESR AC (mΩ)	Rated Current (A,25°C)	Max Current (A,25°C)	Leakage Current (mA,25°C&72h)	Weight (g)	Width F ±1	Length A ±1	Height B ±1	Lead Pitch P ±0.5
SE-5R5-Z104VYE01	5.5	0.1	4800	2400	0.05	0.19	0.003	0.9	5.5	10.5	12	6.8
SE-5R5-Z224VYE16	5.5	0.22	2400	1200	0.11	0.4	0.004	1.2	7	13.5	12	9
SE-5R5-Z334VYE06	5.5	0.33	1200	600	0.17	0.51	0.004	2.4	8.5	16.5	15	12
SE-5R5-Z474VYE06	5.5	0.47	1200	600	0.21	0.61	0.005	2.8	8.5	16.5	15	12
SE-5R5-Z105VYE07	5.5	1	500	250	0.46	1.38	0.01	3.3	8.5	16.5	22	12
SE-5R5-Z105VYE13	5.5	1	500	250	0.46	1.38	0.008	4	10.5	20.5	22	15.3
SE-5R5-Z155TYE07	5.5	1.5	720	360	0.65	1.88	0.01	4.2	8.5	16.5	22	12
SE-5R5-Z155VYE13	5.5	1.5	720	360	0.65	1.88	0.01	4.8	10.5	20.5	22	15.3
SE-5R5-Z255VYE13	5.5	2.5	720	360	1.01	2.46	0.014	4.6	10.5	20.5	22	15.3
SE-5R5-Z305VYE09	5.5	3	240	120	1.21	2.95	0.016	6.8	13	25.5	23	17.8
SE-5R5-Z405VYE09	5.5	4	240	120	1.73	4.23	0.022	8	13	25.5	23	17.8
SE-5R5-Z505VYE19	5.5	5	200	100	2.22	6.25	0.028	11.9	13	25.5	36	17.8
SE-5R5-Z605VYE19	5.5	6	200	100	2.5	7.5	0.036	12.1	13	25.5	36	17.8
SE-5R5-Z755VYL21	5.5	7.5	200	100	3.17	8.25	0.045	15.6	16.5	32.5	28	24
SE-5R5-Z805UYL21	5.5	8	180	90	3.61	9.23	0.045	16	16.5	32.5	28	24
SE-5R5-Z106VYL22	5.5	10	180	90	3.93	9.17	0.06	19.5	16.5	32.5	36	24
SE-5R0-Z104VYA01	5	0.1	4800	2400	0.05	0.2	0.003	1.5	6.6	12	13.5	7
SE-5R0-Z224VYA16	5	0.22	2400	1200	0.1	0.36	0.004	2.3	8	14.6	13.5	9
SE-5R5-Z224VYA16	5.5	0.22	2400	1200	0.11	0.4	0.004	2.3	8	14.6	13.5	9

SE-5R0-Z334VYA06	5	0.33	2400	1200	0.14	0.46	0.004	3.8	9.6	18.1	18	11.5
SE-5R5-Z334VYA06	5.5	0.33	2400	1200	0.16	0.51	0.004	3.8	9.6	18.1	18	11.5
SE-5R0-Z474VYA06	5	0.47	2400	1200	0.21	0.55	0.005	4.2	9.6	18.1	18	11.5
SE-5R5-Z474VYA06	5.5	0.47	2400	1200	0.21	0.61	0.005	4.2	9.6	18.1	18	11.5
SE-5R5-Z105VYA07	5.5	1	1000	500	0.46	1.38	0.01	5.7	9.6	18.1	25.5	11.5
SE-5R5-Z105VYA13	5.5	1	1000	500	0.42	1.25	0.008	7.8	11.6	22	25.5	15.3
SE-5R5-Z105VYA13	5.5	1	1000	500	0.42	1.25	0.008	7.8	11.6	22	25.5	15.3
SE-5R5-Z155VYA07	5.5	1.5	1300	650	0.55	1.65	0.01	5.9	9.6	18.1	25.5	11.5
SE-5R5-Z155VYA13	5.5	1.5	800	400	0.62	1.88	0.01	8.3	11.6	22	25.5	15.3
SE-5R5-Z205VYA09	5.5	2	1800	900	0.9	2.59	0.012	8.1	11.6	22	25.5	15.3
SE-7R5-Z224VYL06	7.5	0.22	4500	2250	0.14	0.41	0.004	3	8.5	24.5	15	13.3
SE-7R5-Z334VYL06	7.5	0.33	7200	3600	0.2	0.57	0.005	3.5	8.5	24.5	15	13.3
SE-7R5-Z664VYL07	7.5	0.66	1500	750	0.41	1.24	0.01	4.7	8.5	24.5	22	13.3
SE-7R5-Z105UJL07	7.5	1	1500	750	0.58	1.5	0.01	4.8	8.5	24.5	22	13.3
SE-7R5-Z105VYL13	7.5	1	1200	600	0.6	1.7	0.01	7.2	10.5	30.5	22	15.8

Super Capacitor – Stacked Series

Performance Features

Small size, high capacitance, low leakage current.

Typical Applications

Smart meters, UPS, uninterruptible power supplies, security equipment, computer memory storage, communication equipment, household appliances, consumer electronics, industrial equipment, etc.

Series Name	Rated Voltage VR	Surge Voltage	Capacitance Range	Operating Temperature Range
SE Series	5.5V	5.8V	0.1F ~ 1.5F	-25°C ~ +70°C
	3.6V	4.0V	0.1F ~ 1.5F	-25°C ~ +85°C
HT Series	5.5V	5.8V	0.1F ~ 1.0F	-15°C ~ +85°C
	5.5V	5.8V	0.1F ~ 1.0F	-40°C ~ +85°C

Stacked Cell Series Specifications

Product Model	Rated Voltage (V)	Rated Capacitance (F)	ESR (Ω)	Rated Current (A,25°C)	Max Current (A,25°C)	Leakage Current (mA,25°C&72h)	Weight (g)	Diameter (mm)	Height (mm)	Pitch (mm)
SE-5R5-D104VYC3H	5.5	0.1	50	0.018	0.025	3	1.4	6.5	12.3	5
SE-5R5-D104VY3C	5.5	0.1	50	0.018	0.025	3	1.4	11.5	6.4	4.7
SE-5R5-D104VYH3E	5.5	0.1	50	0.018	0.025	3	1.6	18.8	5.1	10.5
SE-5R5-D224VYC3H	5.5	0.22	40	0.027	0.033	4	2.5	13	11.2	4.7
SE-5R5-D224VY3C	5.5	0.22	40	0.027	0.033	4	1.5	11.5	12.3	4.7
SE-5R5-D224VYH3E	5.5	0.22	40	0.027	0.033	4	1.6	18.8	5.1	10.5
SE-5R5-D334VYC3H	5.5	0.33	40	0.029	0.033	5	3.1	13	6.5	5
SE-5R5-D334VY3C	5.5	0.33	40	0.029	0.033	5	1.4	11.5	12.3	4.7
SE-5R5-D334VYH3E	5.5	0.33	40	0.029	0.033	5	1.6	18.8	5.1	10.5
SE-5R5-D474VYC3H	5.5	0.47	40	0.03	0.033	6	3	13	6.5	5
SE-5R5-D474VY3C	5.5	0.47	40	0.03	0.033	6	1.4	11.5	12.3	4.7
SE-5R5-D474VYH3E	5.5	0.47	40	0.03	0.033	6	1.6	18.8	5.1	10.5
SE-5R5-D684VYC3H	5.5	0.68	15	0.079	0.089	8	9	20.5	7.4	5
SE-5R5-D684VY3C	5.5	0.68	15	0.079	0.089	8	4	18.7	20.2	5
SE-5R5-D105VYC3H	5.5	1	15	0.079	0.089	9	9.3	20.5	7.4	5
SE-5R5-D105VY3G	5.5	1	15	0.079	0.089	8	8.2	20.5	7	6
SE-5R5-D105VY3C	5.5	1	15	0.079	0.089	8	4.2	18.7	20.2	5
SE-5R5-D105VYH3C	5.5	1	15	0.079	0.089	8	4.2	18.7	6	20
SE-5R5-D155VYC3H	5.5	1.5	10	0.118	0.133	12	9.3	20.5	7.4	5
SE-5R5-D155VY3C	5.5	1.5	10	0.118	0.133	12	8.2	20.5	7	6
SE-5R5-D155VYH3C	5.5	1.5	10	0.118	0.133	12	4.2	18.7	6	20
SE-5R5-D155VYT3C	5.5	1.5	10	0.118	0.133	12	4.4	31	5.4	-
SE-5R5-D155VYV1CA	5.5	1.5	10	0.118	0.133	12	7.1	21	21.5	5
HT-3R6-D104VYC3H	3.6	0.1	50	0.012	0.016	3	3.1	13	6.5	5
HT-3R6-D104VY3C	3.6	0.1	50	0.012	0.016	3	1.4	11.5	12.3	4.7
HT-3R6-D104VYH3E	3.6	0.1	50	0.012	0.016	3	1.4	11.5	6.4	10.5
HT-3R6-D224VYC3H	3.6	0.22	40	0.018	0.021	4	3	13	6.5	5
HT-3R6-D224VY3C	3.6	0.22	40	0.018	0.021	4	1.3	11.5	12.3	4.7
HT-3R6-D224VYH3E	3.6	0.22	40	0.018	0.021	4	1.6	18.8	5.1	10.5
HT-3R6-D334VYC3H	3.6	0.33	40	0.019	0.022	5	3.1	13	6.5	5
HT-3R6-D334VY3C	3.6	0.33	40	0.019	0.022	5	1.4	11.5	12.3	4.7
HT-3R6-D334VYH3E	3.6	0.33	40	0.019	0.022	5	1.4	11.5	6.4	10.5
HT-3R6-D474VYC3H	3.6	0.47	40	0.02	0.022	6	3	13	6.5	5
HT-3R6-D474VY3C	3.6	0.47	40	0.02	0.022	6	1.4	11.5	12.3	4.7
HT-3R6-D474VYH3E	3.6	0.47	40	0.02	0.022	6	1.4	11.5	6.4	10.5
HT-3R6-D105VYC3H	3.6	1	15	0.051	0.058	8	9.3	20.5	7.4	5
HT-3R6-D105VY3G	3.6	1	15	0.051	0.058	8	8.2	20.5	7	6
HT-3R6-D105VY3C	3.6	1	15	0.051	0.058	8	4.2	18.7	20.2	5
HT-3R6-D105VYH3C	3.6	1	15	0.051	0.058	8	4.2	18.7	6	20
HT-3R6-D155VYC3H	3.6	1.5	10	0.077	0.087	12	9.3	20.5	7.4	5
HT-3R6-D155VY3G	3.6	1.5	10	0.077	0.087	12	8.2	20.5	7	6
HT-3R6-D155VY3C	3.6	1.5	10	0.077	0.087	12	4.2	18.7	20.2	5
HT-3R6-D155VYH3C	3.6	1.5	10	0.077	0.087	12	4.2	18.7	6	20
HT-5R5-D224VYC3H	5.5	0.22	80	0.015	0.017	6	3	13	6.5	5
HT-5R5-D224VY3C	5.5	0.22	80	0.015	0.017	6	1.3	11.5	12.3	4.7
HT-5R5-D224VYH3E	5.5	0.22	80	0.015	0.017	6	1.3	11.5	6.4	10.5
HT-5R5-D224VYT3E	5.5	0.22	80	0.015	0.017	6	1.5	18.8	5.1	-
HT-5R5-D334VYC3H	5.5	0.33	80	0.016	0.017	7	3.1	13	6.5	5
HT-5R5-D334VY3C	5.5	0.33	80	0.016	0.017	7	1.4	11.5	12.3	4.7

HT-5R5-D334VYH3E	5.5	0.33	80	0.016	0.017	7	1.4	11.5	6.4	10.5
HT-5R5-D334VYT3E	5.5	0.33	80	0.016	0.017	7	1.6	18.8	5.1	-
HT-5R5-D105VYC4G	5.5	1	25	0.05	0.054	12	8.2	20.5	7	6
HT-5R5-D105VYC4H	5.5	1	25	0.05	0.054	12	9.3	20.5	7.4	5
HT-5R5-D105VY4C	5.5	1	25	0.05	0.054	12	4.2	18.7	20.2	5
HT-5R5-D105VYH4C	5.5	1	25	0.05	0.054	12	4.2	18.7	6	20
HT-5R5-D104VYC7H	5.5	0.1	80	0.019	0.022	5	4.1	13	9.5	5
HT-5R5-D224VYC7H	5.5	0.22	60	0.019	0.022	5	4.1	13	9.5	5
HT-5R5-D334VYC7H	5.5	0.33	80	0.02	0.022	6	4.1	13	9.5	5
HT-5R5-D684UVY7C	5.5	0.68	25	0.048	0.053	8	6	18.7	20.2	7.6
HT-5R5-D105UY7C	5.5	1	25	0.05	0.054	12	11.6	20.7	9.5	5
HT-5R5-D105VY7C	5.5	1	25	0.05	0.054	12	6	18.7	20.2	7.6

Hybrid Capacitor

Battery-Type Capacitor

HBA Series Pin Type Product Specifications

Product Model	Rated Voltage (V)	Rated Capacitance (F)	ESR DC (mΩ)	ESR AC (1kHz, mΩ)	Rated Current (A,25°C)	Pulse Current (A,25°C)	Leakage Current (μA,25°C &72h)	Mass (g)	Diameter (mm)	Height (mm)	Pitch (mm)
HBA-3R8-J206F-RYJ0813	3.8	20	1800	600	0.13	0.6	1	1.3	8	13	3.5
HBA-3R8-J306F-RYJ0816	3.8	30	1000	350	0.2	1.2	2	1.5	8	16	3.5
HBA-3R8-J406F-AYJ0820	3.8	40	600	200	0.32	2.2	3	2	8	20	3.5
HBA-3R8-J506F-RYJ1016	3.8	50	600	200	0.32	2.2	3	2.5	10	16	5
HBA-3R8-J606F-RYJ0824	3.8	60	550	180	0.4	2.2	3	2.2	8	24	3.5
HBA-3R8-J806F-TYJ1020	3.8	80	450	150	0.5	2.7	4	2.9	10	20	5
HBA-3R8-J107F-TYJ0830	3.8	100	350	120	0.6	4.2	5	3.2	8	30	3.5
HBA-3R8-J107F-RYJ1025	3.8	100	300	120	0.65	4	5	3.8	10	25	5
HBA-3R8-J127F-AYJ1030	3.8	120	250	90	0.8	5.5	7	4.4	10	31	5
HBA-3R8-J157F-RYJ1221	3.8	150	200	90	0.9	5.5	8	4.4	12.5	21	5
HBA-3R8-J207F-TYJ1225	3.8	200	240	90	1.6	6.8	10	5.7	12.5	25	5
HBA-3R8-J307F-TYJ1234	3.8	300	200	70	1.8	10	14	7.9	12.5	34	5
HBA-3R8-J307F-AYJ1626	3.8	300	200	70	2.2	11	17	10.5	16	26	7.5
HBA-3R8-J407F-RYJ1245	3.8	400	150	50	2.7	13	20	9.3	12.5	45	5
HBA-3R8-J507F-RYJ1634	3.8	500	150	50	3.3	15	25	13.5	16	34	7.5
HBA-3R8-J707F-TYJ1834	3.8	700	100	40	4	15	32	16.5	18	34	7.5
HBA-3R8-J807F-RYJ1841	3.8	800	80	25	5.5	20	40	20	18	41	7.5
HBA-3R8-J128F-RYJ1860	3.8	1200	60	20	7.5	23	60	27	18	60	7.5
HBA-3R8-J128F-AYJ2242	3.8	1200	60	20	8	24	65	30	22	42	10

HBA Series Cover Type Product Specifications

Product Model	Rated Voltage (V)	Rated Capacitance (F)	ESR DC (mΩ)	ESR AC (1kHz, mΩ)	Rated Current (A,25°C)	Pulse Current (A,25°C)	Leakage Current (mA,25°C &72h)	Mass (g)	Diameter (mm)	Height (mm)	Pitch (mm)
HBA-3R8-J198F-TYJ2554	3.8	1900	60	20	5.5	22	0.2	45	25.4	54	10
HBA-3R8-J308F-AYJ3554	3.8	3000	55	18	10	27	0.35	77	35	54	10
HBA-3R8-J408F-TYJ3561	3.8	4000	50	15	11	33	0.4	93	35	61	10
HBA-3R8-J508F-TYJ3570	3.8	5000	45	12	14	38	0.5	125	35	70	10
HBA-3R8-J608F-TYJ3580	3.8	6000	40	10	17	50	0.6	185	35	80	10