



SHANGHAI GREEN TECH CO., LTD.

QUALITY MANAGEMENT SYSTEM: INDUSTRIAL ISO9001-2015 MILITARY GJB9001B-2009

2019

PRODUCTS CATALOGUE



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SUPER CAPACITORS

GTCAP design and produce advanced super capacitor cells,super capacitor modules and energy storage systems.
Including large power type,high energy type and hybrid type.

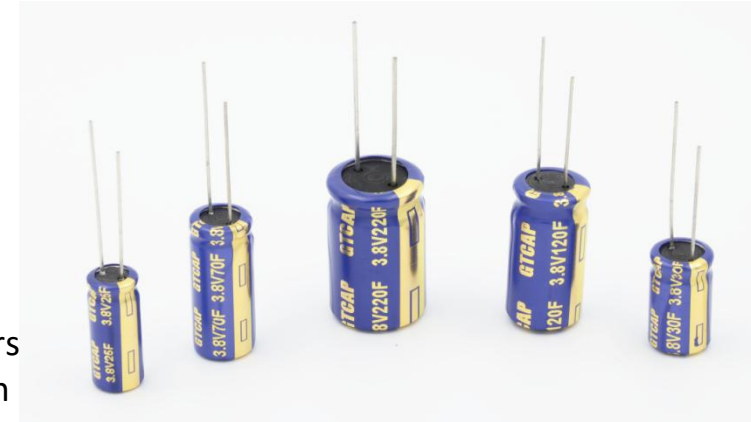
How to order: **GTSP-2R7-308UT 1000PCS**

GT	S	□		□ □ □		□ □ □		□		□		□
Brand	Super	Series		Rated Voltage		Capacitance		Tolerance		Terminal Type		Status
GTCAP	capacitor	Code	Series	Code	Voltage	Code	Value(F)	Code	Tolerance	Code	Terminal	Code
		P	Power	2R5	2.5V	104	0.1	J	±5%	A	Cable	S=Standard
		E	Energy	2R7	2.7V	224	0.22	K	±10%	B	Bar	C=Customized
		M	Module	3R3	3.3V	474	0.47	M	±20%	C	Coin	P=Prismatic
		PP	Big Power	3R6	3.6V	105	1.0	U	-10%~20%	H	Horizontal	S=Soft roll
		PH	Hi-Temp P	3R8	3.8V	205	2.0	V	10%~30%	L	Lug	
		EH	Hi-Temp E	4R0	4.0V	475	4.7	Z	-20%~80%	N	Snap in	
		MH	Hi-temp M	5R0	5.0V	106	10			P	Pillar	
		ML	Military	5R5	5.5V	206	20			R	Radial Wire	
		PL	Hybrid	6R3	6.3V	506	50			S	Screw in	
				012	12V	107	100			T	Threaded	
				016	16V	367	360			V	Vertical	
				024	24V	407	400			W	Weldable	
				036	36V	657	650					
				048	48V	158	1500					
				056	56V	308	3000					
				075	75V	508	5000					
				100	100V	728	7200					
				120	120V	758	7500					
				240	240V	958	9500					
						109	10000					
						129	12000					
						169	16000					
						609	60000					

- ✧ Optimum Working Voltage Range: **3.8V~2.5V**
- ✧ Cycle life: 500,000 times
- ✧ Operating temperature: -15°C~+70°C/**+85°C (3.5V)**
- ✧ **High energy density.**

Application:

Widely use in smart electric meters, gas meters, water meters, energy meters for back up power to record the data and remote meters reading and so on



Part No.	Rated Voltage (V)	Cap. (F)	Max. ESR (Ω) DC AC/1KHz		Max. DCL (μA)	Max. Continuous Current (A)	Max. Peak Current (A)	Max. Energy Storage (Wh)	Weight (g/pc)	Size (mm)	Lead Space P(mm)
GTSP-3R8-106MR	3.8	10	0.8	0.4	2	0.075	0.5	0.011	1.5	Φ8x14	3.5
GTSP-3R8-256MR	3.8	25	0.65	0.3	2.5	0.125	0.8	0.028	1.8	Φ8x20	3.5
GTSP-3R8-306MR	3.8	30	0.55	0.25	3.5	0.15	1.0	0.034	2.5	Φ10x16	5.0
GTSP-3R8-706MR	3.8	70	0.25	0.1	8	0.35	3.0	0.08	3.8	Φ10x25	5.0
GTSP-3R8-127MR	3.8	120	0.2	0.08	13	0.6	5.0	0.136	5.0	Φ12.5x25	5.0
GTSP-3R8-227MR	3.8	220	0.1	0.06	20	1.1	10	0.25	9	Φ16x25	7.5

- ✧ Optimum Working Voltage Range: **4.0V~2.5V**
- ✧ Cycle life: 50,000 times
- ✧ Operating temperature: -25℃~+55℃
- ✧ **High energy density.**

Application:

Widely use in UPS,solar power system,
elevator starting,medical equipment and so on.



Part No.	Rated Voltage (V)	Cap. (F)	Max. ESR (mΩ)		Max. DCL (mA)	Max. Continuous Current (A)	Max. Peak Current (A)	Max. Energy Storage (Wh)	Weight (g/pc)	Size (mm)	Lead Space P(mm)
GTSPL-4R0-108ML	4.0	1000	20	9	0.24	5.0	20	1.35	27	100x71x3	15
GTSPL-4R0-208ML	4.0	2000	9	5	0.295	10	30	2.71	50	100x71x5.5	15
GTSPL-4R0-328ML	4.0	3200	5.5	3	0.335	16	40	4.33	78	100x65x9.0	15

- ✧ Optimum Working Voltage Range: **4.0V~2.5V**
- ✧ Cycle life: 50,000 times
- ✧ Operating temperature: -25℃~+55℃
- ✧ **High energy density.**

Application:

Widely use in UPS,solar power system,elevator starting,medical equipment and so on.



Part No.	Rated Voltage (V)	Cap. (F)	Max. ESR (mΩ)		Max. DCL (mA)	Max. Continuous Current (A)	Max. Peak Current (A)	Max. Energy Storage (Wh)	Weight (g/pc)	Size (mm)	Lead Space P(mm)
GTSP-4R0-608ML	4.0	6000	3.5	2.5	0.48	30	100	8.12	165	295x123x3.5	245
GTSP-4R0-109ML	4.0	10000	1.8	1.2	0.53	50	150	13.54	240	295x123x5.5	245
GTSP-4R0-169ML	4.0	16000	1.2	1.0	0.58	60	200	21.66	375	295x123x8.0	245

- ✧ Optimum Working Voltage Range: **3.6V~2.4V**
- ✧ Cycle life: 30,000 times
- ✧ Operating temperature: -25℃~+55℃
- ✧ **High energy density.**

Application:

- ✓ Power supply for energy storage trolleybuses
- ✓ Power supply for energy storage tram
- ✓ Back-up power for railway transit
- ✓ Smart grid
- ✓ Solar energy conversion system
- ✓ Mass transportation braking energy recovery system
- ✓ Heavy duty machinery
- ✓ Renewable energy



Part No.	Rated Voltage (V)	Cap. (F)	Max. ESR (mΩ)		Voltage Retention Capacity (mV) @ 25°C after 24hrs	Max. Continuous Current (A)	Max. Peak Current (A)	Max. Energy Storage (Wh)	Weight (g/pc)	Size (mm)	Lead Space P(mm)
GTSP-3R6-609UTP	3.6	60000	0.8	0.65	≤350	100	300	71.28	1770	231x80x58	36

- ✧ Rated voltage: 2.7V
- ✧ Cycle life: **1,000,000 times**
- ✧ Operating temperature: **-40°C~+70°C**
- ✧ **Large power**

Application:

- ✓ Pitching control system of Wind Turbine Generator
- ✓ EV/HEV
- ✓ Solar energy conversion system
- ✓ Hybrid drive trains
- ✓ Mass transportation braking energy recovery system
- ✓ UPS/DVC
- ✓ Heavy duty machinery
- ✓ Locomotive engine start up system



Part No.	Rated Voltage (V)	Cap. (F)	Max. ESR (mΩ)		Max. DCL (mA)	Max. Continuous Current (A)	Max. Peak Current (A)	Max. Energy Storage (Wh)	Weight (g/pc)	Size (mm)	Lead Space P(mm)
GTSP-2R7-758UTP	2.7	7500	0.2	0.16	13	200	6000	7.59	1330	231X80X58	36
GTSP-2R7-958UTP	2.7	9500	0.2	0.17	15	200	6000	9.61	1345	231X80X58	36
GTSP-2R7-129UTP	2.7	12000	0.18	0.14	20	300	6000	12.15	1400	231X80X58	36

- ✧ Voltage: **2.7V** and **3.0V**
- ✧ Cycle life: 500,000 duty times.
- ✧ Operate temperature: - 40°C ~ +70°C(SP series) , - 40°C ~ +85°C (SPH series)

Application:

Automobile data recorder,digital camera, smart TV set,smart control device,instrument electric toys and apparatus etc.



Part No.	Rated Voltage (V)	Cap. (F)	Max. ESR (Ω) DC AC/1KHz	Max. DCL (mA)	Max. Continuous Current (A)	Max. Peak Current (A)	Max. Energy Storage (Wh)	Weight (g/pc)	Size (mm)	Lead Space P(mm)
GTSP-2R7-254ZR	2.7	0.25	N/A 700	0.005	0.08	0.32	0.00025	0.7	Φ5x12	2
GTSP-2R7-354ZR	2.7	0.35	N/A 700	0.005	0.08	0.32	0.00035	0.8	Φ5x12	2
GTSP-2R7-504ZR	2.7	0.5	N/A 700	0.005	0.16	0.4	0.00051	1	Φ6.3x12	2.5
GTSP-2R7-105ZR	2.7	1	N/A 350	0.008	0.27	0.63	0.00101	1.4	Φ8x13	3.5
GTSP-2R7-205ZR	2.7	2	N/A 300	0.01	0.43	1.38	0.00203	2.9	Φ8x20	3.5
GTSP-2R7-335ZR	2.7	3.3	N/A 120	0.02	0.9	2.12	0.00334	4.1	Φ10x20	5
GTSP-2R7-475ZR	2.7	4.7	N/A 100	0.025	1.02	2.77	0.00476	4.7	Φ12.5x21	5
GTSP-2R7-505ZR	2.7	5	N/A 90	0.03	1.1	2.89	0.0051	5	Φ12.5x21	5
GTSP-2R7-106ZR	2.7	10	N/A 40	0.03	2.45	9	0.0109	6	Φ12.5x26	5
GTSP-2R7-156ZR	2.7	15	N/A 30	0.04	2.75	11	0.015	7	Φ12.5x31/21	5
GTSP-2R7-206ZR	2.7	20	N/A 29	0.04	5.13	14.8	0.0218	8	Φ16x34/26	7.5
GTSP-2R7-256ZR	2.7	25	N/A 27	0.05	5.63	16.9	0.0245	8	Φ16x34	7.5
GTSP-2R7-306ZR	2.7	30	N/A 20	0.06	6.5	18.8	0.032	9.5	Φ16x34	7.5
GTSP-2R7-506ZR	2.7	50	N/A 20	0.75	10.4	27	0.054	12.2	Φ18x40	8
GTSP-2R7-107ZR	2.7	100	N/A 20	0.2	21.8	54	0.108	17.5	Φ18x45	8

- ✧ Voltage: **2.7V** and **3.0V**
- ✧ Cycle life: 500,000 duty times.
- ✧ Operate temperature: - 40°C ~ +70°C(SP series) , - 40°C ~ +85°C (SPH series)



Application:

Medical equipment, UPS, printing machine, LED lighting, motor cold starting, wind powers system, elevator etc.

Part No.	Rated Voltage (V)	Cap (F)	Max. ESR (Ω) DC AC/1KHz		Max. DCL (mA)	Max. Continuous Current (A)	Max. Peak Current (65°C)1S (A)	Max. Energy Storage (Wh)	Weight (g/pc)	Size (mm)	Lead Space P(mm)
GTSP-2R7-107ZN	2.7	100	15	11	0.2	15	54	0.11	22	Φ22x45	10
GTSP-2R7-127ZN	2.7	120	15	11	0.2	16	56	0.13	22	Φ22x45	10
GTSP-2R7-157ZN	2.7	150	14	10	0.3	18	65	0.16	32	Φ25x50	10
GTSP-2R7-207ZN	2.7	200	14	10	0.65	21	72	0.22	52	Φ35x62	10
GTSP-2R7-227ZN	2.7	220	14	10	0.7	23	75	0.24	53	Φ35x62	10
GTSP-2R7-307ZN	2.7	300	14	10	0.7	25	75	0.33	64	Φ35x62	10
GTSP-2R7-407ZN	2.7	400	14	10	0.85	25	80	0.43	66	Φ35x62	10

- ✧ Voltage: 2.7V
- ✧ Cycle life 1,000,000 duty times.
- ✧ Operate temperature: - 40°C ~ +70°C
- ✧ **Ultra low ESR**

Application:

Medical equipment, UPS, printing machine, LED lighting, motor cold starting, wind powers system, elevator etc.



Part No.	Rated Voltage (V)	Cap. (F)	Max. ESR (Ω)		Max. DCL (mA)	Max. Continuous Current (A)	Peak Current (65°C) 1S (A)	Max. Energy Storage (Wh)	Weight (g/pc)	Size (mm)	Lead Space P(mm)
GTSP-2R7-367US	2.7	360	3.1	2.8	0.5	34	230	0.36	77	Φ35x62	12.5
GTSP-2R7-407US	2.7	400	3	2.5	1.1	35	245	0.41	78	Φ35x62	12.5
GTSP-2R7-607US	2.7	600	3	2.5	1.5	40	289	0.61	118	Φ35x96	12.5
GTSP-2R7-357UP	2.7	350	2.5	1.5	0.5	39	252	0.35	72	Φ34x64	13x3
GTSP-2R7-457UP	2.7	450	2.5	1.5	0.9	43	285	0.46	90	Φ34x80	13x3
GTSP-2R7-507UP	2.7	500	2.5	1.5	1	43	300	0.51	90	Φ34x80	13x3
GTSP-2R7-607UP	2.7	600	2.4	1.4	1.2	47	332	0.61	116	Φ34x94	13x3
GTSP-2R7-727UP	2.7	720	1.8	1.3	1.4	59	423	0.73	125	Φ34x113	13x3
GTSP-2R7-807UP	2.7	800	1.8	1.3	1.6	59	443	0.81	125	Φ34x113	13x3

- ✧ Voltage: 2.7V
- ✧ Cycle life **1,000,000** duty times.
- ✧ Operate temperature: - 40°C ~ +70°C
- ✧ **Large power and ultra low ESR**

Application:

Pitching control system of Wind Turbine Generator EV/HEV Solar energy conversion system
Hybrid drive trains Mass transportation braking energy recovery system UPS/DVC Heavy
duty machinery Locomotive engine start up system etc.



Part No.	Rated Voltage (V)	Cap. (F)	Max. ESR (Ω)		Max. DCL (mA)	Max. Continuous Current (A)	Max. Peak Current (A)	Max. Energy Storage (Wh)	Weight (g/pc)	Size (mm)
GTSP-2R7-657UW	2.7	650	0.8	0.7	1.8	87	577	0.66	213	Φ61x52
GTSP-2R7-128UW	2.7	1200	0.58	0.4	2.5	116	955	1.22	291	Φ61x74
GTSP-2R7-158UW	2.7	1500	0.47	0.33	3	135	1187	1.52	339	Φ61x85
GTSP-2R7-208UW	2.7	2000	0.35	0.25	3.5	168	1588	2.03	402	Φ61x102
GTSP-2R7-308UW	2.7	3000	0.29	0.22	5.2	208	2165	3.04	545	Φ61x138
GTSP-2R7-508UW	2.7	5000	0.28	0.21	13	250	2812	5.06	795	Φ61x204
GTSP-2R7-657UT	2.7	650	0.8	0.7	1.8	87	577	0.66	213	Φ61x52
GTSP-2R7-128UT	2.7	1200	0.58	0.4	2.5	116	955	1.22	291	Φ61x74
GTSP-2R7-158UT	2.7	1500	0.47	0.33	3	135	1187	1.52	339	Φ61x85
GTSP-2R7-208UT	2.7	2000	0.35	0.25	3.5	168	1588	2.03	402	Φ61x102
GTSP-2R7-308UT	2.7	3000	0.29	0.22	5.2	208	2165	3.04	545	Φ61x138
GTSP-2R7-508UT	2.7	5000	0.28	0.21	13	250	2812	5.06	795	Φ61x204

- ✧ Operate temperature: -25°C~+70°C
- ✧ Voltage: 5.5V
- ✧ Cycle life: 500,000 times
- ✧ Small size. good performance in keeping voltage stable.
- ✧ **It can be the perfect back-up power supplier.**



Application:

Smart meters,electric cooker,electric water heater, intelligent door lock,TV set,laptop, electronic toy,telephone,camera,VCR,medical equipment etc.

Part No.	Voltage (V/DC)	Cap (F)	ESR Max(Ω)	Size ΦDxh(mm)			Lead Space P(mm)
GTS E-5R 5-104ZH/V/C	5.5	0.1	50	H:11x4.5	V:11x5	C: 13.5x6.5	H:10/V:5/C:5
GTS E-5R 5-224ZH/V/C	5.5	0.22	40	H:11x4.5	V:11x5	C: 13.5x6.5	H:10/V:5/C:5
GTS E-5R 5-334ZH/V/C	5.5	0.33	40	H:11x4.5	V:11x5	C: 13.5x6.5	H:10/V:5/C:5
GTS E-5R 5-474ZH/V/C	5.5	0.47	20	H:11x4.5	V:11x5.5	C: 13.5x7.3	H:18.8/V:6/C:5
GTS E-5R 5-105ZH/V/C	5.5	1.0	15	H:19x5.7	V:119x5	C: 20.5x7.5	H:18.8/V:6/C:5
GTS E-5R 5-155ZH/V/C	5.5	1.5	10	H:19x5.7	V:119x5	C: 20.5x7.5	H:18.8/V:6/C:5
GTS E-5R 5-205ZH/V/C	5.5	2.0	10	H:19x5.7	V:119x5.5	C: 20.5x7.7	H:20/V:6/C:5
GTS E-5R 5-405ZH/V	5.5	4	12	H:24.8x6.6	V:24.8x6.6	N/A	H:25.6/V:6.5

- ✧ Operate temperature: **-25°C~+85°C(SEH)**
- ✧ Voltage: **3.6V**
- ✧ Cycle life: 500,000 times
- ✧ Small size. good performance in keeping voltage stable.
- ✧ It can be the perfect back-up power supplier.



Application:

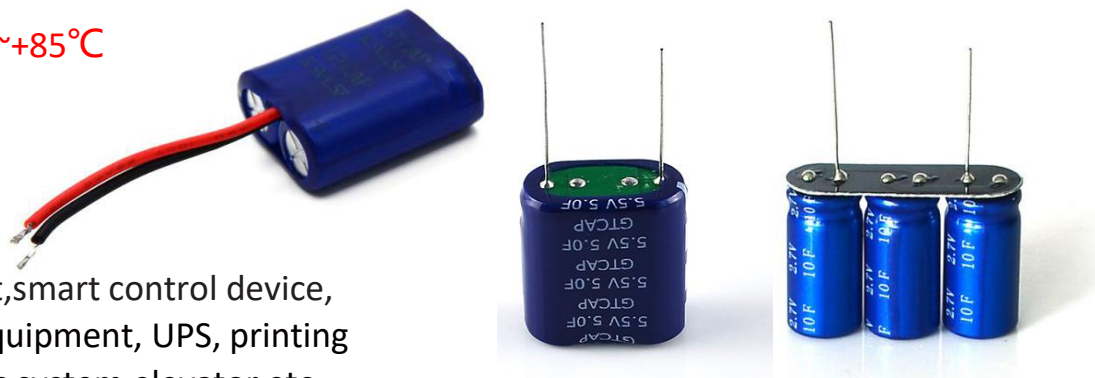
Smart meters, electric cooker, electric water heater, intelligent door lock, TV set, laptop, electronic toy, telephone, camera, medical equipment, VCR etc.

Part No.	Voltage (V/DC)	Cap. (F)	ESR Max(Ω)	Size ΦDxh(mm)			Lead Space P(mm)
GTS EH-3R 6-104ZH/V/C	3.6	0.1	50	H:11x4.5	V:11x5	C: 13.5x6.5	H:10/V:5/C:5
GTS EH-3R 6-224ZH/V/C	3.6	0.22	40	H:11x4.5	V:11x5	C: 13.5x6.5	H:10/V:5/C:5
GTS EH-3R 6-334ZH/V/C	3.6	0.33	40	H:11x4.5	V:11x5	C: 13.5x6.5	H:10/V:5/C:5
GTS EH-3R 6-474ZH/V/C	3.6	0.47	20	H:11x4.5	V:11x5.5	C: 13.5x7.3	H:18.8/V:6/C:5
GTS EH-3R 6-105ZH/V/C	3.6	1.0	15	H:19x5.7	V:119x5	C: 20.5x7.5	H:18.8/V:6/C:5
GTS EH-3R 6-155ZH/V/C	3.6	1.5	10	H:19x5.7	V:119x5	C: 20.5x7.5	H:18.8/V:6/C:5
GTS EH-3R 6-205ZH/V/C	3.6	2.0	10	H:19x5.7	V:119x5.5	C: 20.5x7.7	H:20/V:6/C:5

- ✧ Operate temperature: SM -40°C~+70°C, **SMH-25°C~+85°C**
- ✧ Voltage: SM 5.5V, 7.5V, **SMH 5.0V**
- ✧ Cycle life: 500,000 times

Application:

Automobile data recorder,digital camera, smart TV set,smart control device, instrument electric toys and apparatus etc. Medical equipment, UPS, printing machine,LED lighting, motor cold starting,wind powers system,elevator etc.



Part No.	Voltage (V/DC)	Cap (F)	ESR Max(Ω)	Size WxLxH(mm)	Lead Space P(mm)
GTSM-5R5-104UR	5.5	0.1	1.4	7x13x14	8
GTSM-5R5-224UR	5.5	0.22	1.2	7x13x14	8
GTSM-5R5-334VR	5.5	0.33	1.2	9x17x16	8
GTSM-5R5-474VR	5.5	0.47	1.2	9x17x16	8
GTSM-5R5-105VR	5.5	1	0.5	10x21x22	12
GTSM-5R5-155VR	5.5	1.5	0.5	10x21x22	12
GTSM-5R5-205VR	5.5	2	0.22	13x26x23	12
GTSM-7R5-334VR	7.5	0.33	1.8	9x25x16	13
GTSM-7R5-335UR	7.5	3.3	0.27	10.5x32x31	15

Feature:

Green Tech's super capacitor module provides energy storage and power delivery in a compact, cost-effective modules. The modules can charge-discharge fast, all of these products will perform reliably for more than 1,000,000 times discharge-recharge cycles.

The modules can be series connected up to higher voltage or parallel connected for larger energy requirements.

The easy to connect, standard module allows system designers to focus upon use of the power and energy rather than how to assemble cells.

Application:

Engine start: Telecommunications equipment, Tank, Truck, Car cold start;

Energy recovery: Electric train, Hybrid bus, Elevator

Back up power: Construction equipment, UPS, Heavy duty transportation, Cranes, Mining equipment, Electronic bicycle

New energy resources: Solar LED street light. wind turbine pitch control, Solar power system, micro-grid.



Green Tech Standard Super Capacitor Modules:

Part No.	Cap.	Voltage	Max. DCL After 72hrs	Max. ESR(mΩ)		Peak current	Max. Continuous current	Max. Energy storage	Weight	Szie
	F	V	mA	AC/1KHz	DC	65°C 1s	A	Wh	g	LxWxH
GTSM-16V60FUS	60	15	0.3	18	22	213	34	1.81	1200	215x85x44
GTSM-16V120FUS	120	16	0.8	10	12	460	70	4.3	2000	301x88x87
GTSM-16V110FUB	110	16	1.5	5.0	5.6	568	65	3.9	3500	243x136x112
GTSM-16V100FUL	100	16	0.9	20	25	228	35	3.5	1420	154x140x100
GTSM-16V500FUS	500	16	5.2	1.35	1.8	2275	100	17.8	5700	416x67x178
GTSM-24V800FUS	800	24	8	2	3	3648	400	64	24000	450x196x245
GTSM-48V20FUS	20	48	0.5	60	65	230	34	0.36	4000	273x136x100
GTSM-48V165FUS	165	48	5.2	5	6	2275	100	52.8	14500	417x190x176
GTSM-50V30FUS	30	50	0.9	60	75	268	38	12	5000	200x230x115
GTSM-64V125FUS	125	64	5.2	6	6.5	2275	100	62.5	20000	417x254x179
GTSM-72V115FUS	115	72	7	7	12	2275	120	82.8	20000	472x256x191
GTSM-90V10FUS	10	90	0.5	120	140	205	34	11.25	7750	270x286x100



TANTALUM CAPACITORS

Green Tech makes series advanced tantalum capacitors, include SMD type, dipped type, axial leads type. Solid and wet type, industrial and military standard. High temperature type, high energy hybrid type etc.

- ✧ Good performance
- ✧ Small size
- ✧ Long life

Application:

Communication equipment, radar, plane, ship, precision instrument, cell phone, computer, EMC, Mining equipment etc.



Part No.	Voltage Range(V/DC)	Capacitance Range(μ F)	Shape	Case	Seal Type	Temperature	Type
CA45	2.5-100	0.1-2200	SMD	Epoxy Resin	Hermetic	-55°C~125°C	Solid
CA42	4~50	0.1~470	Radial Wire	Epoxy Resin	Hermetic	-55°C~125°C	Solid
CA	6.3~100	0.047~1000	Axial Tubular	Metal	Hermetic	-55°C~125°C	Solid
CA411C	6.3~63	0.22~1000	Radial Cylindrical	Metal	Hermetic	-55°C~125°C	Solid
CA30	6.3~125	0.47~3300	Axial Tubular	Metal	Glass Sealed	-55°C~125°C	Wet
CA30M	6.3~125	0.47~3300	Axial Tubular	Metal	Glass Sealed	-55°C~125°C	Wet
CA301	6.3~125	0.47~4700	Axial Tubular	Metal	Glass Sealed	-55°C~125°C	Wet
CA30T	6.3~125	4.7~1000	Radial Cylindrical	Metal	Glass Sealed	-55°C~125°C	Wet
CA31	6.3~125	1.7~1200	Axial Tubular	Metal	Glass Sealed	-55°C~125°C	Wet
CA35	6.3~125	1.0~2200	Axial Tubular	Metal	Glass Sealed	-55°C~125°C	Wet

- ✧ Meet military standard,
- ✧ High reliability
- ✧ Long life

Application:

Oil down-hole-drilling equipment, Mining equipment, Radar, Tank, unmanned aircraft, satellite, EMC etc.



Part No.	Voltage Range (V/DC)	Capacitance Range(μF)	Shape	Case	Seal Type	Temperature	Type
CA501S	6.3-125	2.2-1200	Axial Tubular	Metal	Glass Sealed	-55℃~155℃	Wet
CA501	6.3-125	2.2-1200	Axial Tubular	Metal	Glass Sealed	-55℃~175℃	Wet
CA502	6.3-125	3.3-1000	Axial Tubular	Metal	Glass Sealed	-55℃~185℃	Wet
CA503	6.3-125	3.3-1000	Axial Tubular	Metal	Glass Sealed	-55℃~200℃	Wet
CA53	50-125	10-680	Axial Tubular	Metal	Hermetic	-55℃~200℃	Wet
CA53D	6-125	1.7-2200	Axial Tubular	Metal	Hermetic	-55℃~200℃	Wet
CA58A	6-125	2.5-2200	Axial Tubular	Tantalum	Hermetic	-55℃~200℃	Wet
CA58B	50-125	6-880	Axial Tubular	Tantalum	Hermetic	-55℃~200℃	Wet
CA386	10-125	110-27000	Radial Cylindrical	Tantalum	Hermetic	-55℃~200℃	Hybrid

- ✧ Meet military standard,
- ✧ High reliability
- ✧ Long life

Application:

Aerospace equipment, tank, unmanned aircraft, Satellite, guided missile,
Communication equipment, radar, plane, ship, precision instrument, EMC etc.



Part No.	Voltage Range (V/DC)	Capacitance Range(μF)	Shape	Case	Seal Type	Temperature	Type
CAK45	4-100	0.1-1000	SMD	Epoxy Resin	Hermetic	-55℃~125℃	Solid
CAK55	2-25	0.1-1000	SMD	Epoxy Resin	Hermetic	-55℃~125℃	Solid
CAK	6.3-63	0.1-470	Axial Tubular	Metal	Hermetic	-55℃~125℃	Solid
CAK-1	6-100	0.047-470	Axial Tubular	Metal	Hermetic	-55℃~125℃	Solid
CAK411C	6.3-63	0.22-1000	Radial Wire	Metal	Hermetic	-55℃~125℃	Solid
CAK35	6.3-125	1-2200	Axial Tubular	Metal	Hermetic	-55℃~125℃	Wet
CAK31	6.3-125	1.7-1200	Axial Tubular	Metal	Hermetic	-55℃~125℃	Wet
CAK86	16-125	4.7-680	Axial Tubular	Metal	Hermetic	-55℃~125℃	Wet
CAK81	6-125	6.8-2200	Axial Tubular	Metal	Hermetic	-55℃~125℃	Wet
CAK35T	6.3-125	4.7-1200	Radial Wire	Metal	Hermetic	-55℃~125℃	Wet
CAK38	6-125	1.7-1200	Axial Tubular	Tantalum	Hermetic	-55℃~125℃	Wet
CAK39	6-125	6.8-2200	Axial Tubular	Tantalum	Hermetic	-55℃~125℃	Wet
CAK39H	15-125	10-2200	Axial Tubular	Tantalum	Hermetic	-55℃~125℃	Wet
CAK39HE	10-150	100-10000	Axial Tubular	Tantalum	Hermetic	-55℃~125℃	Wet

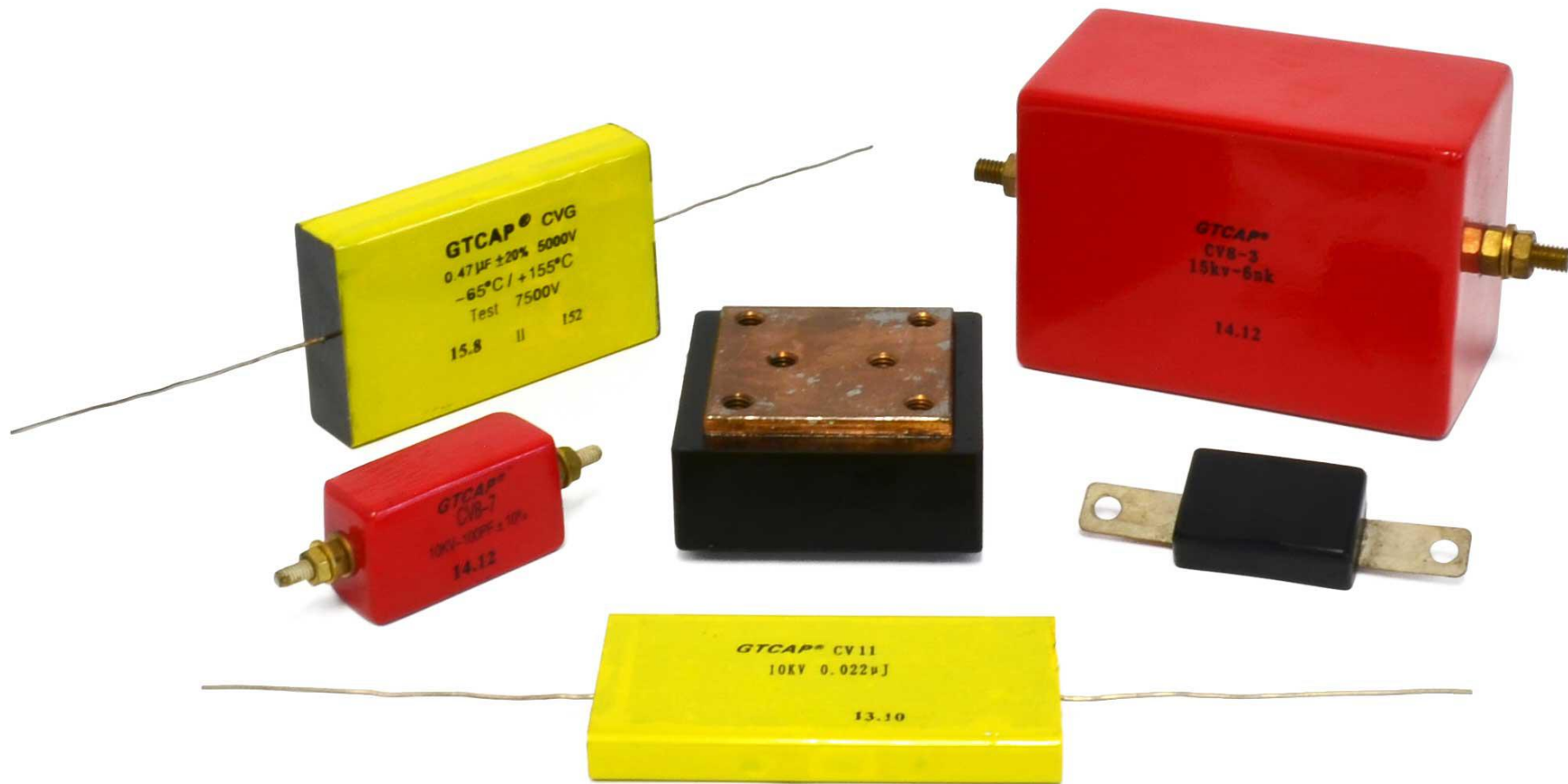
- ✧ High energy
- ✧ Small size
- ✧ High reliability

Application:

Unmanned aircraft, communication equipment, radar, plane, ship, tank,
Satellite, guided missile, precision instrument, cell phone, computer, EMC ect.



Part No.	Voltage Range (V/DC)	Capacitance Range(μF)	Shape	Case	Seal Type	Temperature	Screw Rod
THCL	10-125	100-2200	Radial Cylindrical	Tantalum	Laser Welding Hermetic	-55℃~125℃	None
THC1	10-125	160-50000	Radial Cylindrical	Tantalum	Laser Welding Hermetic	-55℃~125℃	None
THC2	10-125	1100-150000	Radial Cylindrical	Tantalum	Laser Welding Hermetic	-55℃~125℃	None
THC3	10-125	2200-230000	Radial Cylindrical	Tantalum	Laser Welding Hermetic	-55℃~125℃	None
THC1W	10-125	560-50000	Radial Cylindrical	Tantalum	Laser Welding Hermetic	-55℃~125℃	Yes
THC2W	10-125	1100-150000	Radial Cylindrical	Tantalum	Laser Welding Hermetic	-55℃~125℃	Yes
THC3W	10-125	2200-230000	Radial Cylindrical	Tantalum	Laser Welding Hermetic	-55℃~125℃	Yes
THC5S	10-125	360-200000	Radial Square	Tantalum	Laser Welding Hermetic	-55℃~125℃	None
THC5SW	10-125	360-200000	Radial Square	Tantalum	Laser Welding Hermetic	-55℃~125℃	Yes
THC6S	10-125	1400-220000	Radial Square	Tantalum	Laser Welding Hermetic	-55℃~125℃	None
THC6SW	10-125	1400-22000	Radial Square	Tantalum	Laser Welding Hermetic	-55℃~125℃	Yes
THCM	300-500	90-4700	customizable	customizable	Laser Welding Hermetic	-55℃~125℃	Yes



HI-VOLTAGE, HI-TEMPERATURE CAPACITOR

GTCAP mica paper capacitors are suitable to high frequency, high voltage, high temperature, big current circuit.

Like high frequency feedback circuit, high frequency resonance circuit and pulse circuit etc.

- ✧ GTCAP Mica Capacitors are using the best mica paper 511 as material, dipping high temperature epoxy resin.
- ✧ High insulated resistance, low loss coefficient.
- ✧ Good high frequency performance. Capacitance very stable in pulses voltage circuit.
- ✧ Very low dissipation factor $<5 \times 10^{-3}$ (min 1×10^{-4}).
- ✧ Very stable at high temperature, small capacitance Tolerance.
- ✧ After storage 15 years, capacitance change not over $\pm 1\%$.

Application:

Widely use in high voltage transmission, satellite, aerospace, ship, medical equipment, oil down-hole-drilling equipment, welding machine, metallurgy equipment etc.

Part Item	Voltage Range(DC)	Capacitance(μ F)	Frequency	Current(A)	Temperature	Main Application
GTCVG	0.15KV-30KV	0.01-10	Pulse	Pulse	-55℃~200℃	Oil down-hole drilling equipment
GTCV11	1KV-30KV	0.1-8.0	0.3-1MHz	5	-55℃~125℃	high voltage equipment
GTCV8	2KV-30KV	0.01-10	0.3-1MHz	5-50	-55℃~85℃	Welding machine
GTCYG	1KV	0.01-0.1	800KHz	200	-25℃~85℃	Welding machine
MKP89H	1KV-50KV	0.001-1	1Hz	500~3000	-25℃~105℃	Pulses equipment