



Features

- High power performance
- Low ESR
- Over 1,000,000 duty cycles
- Screw-in terminal

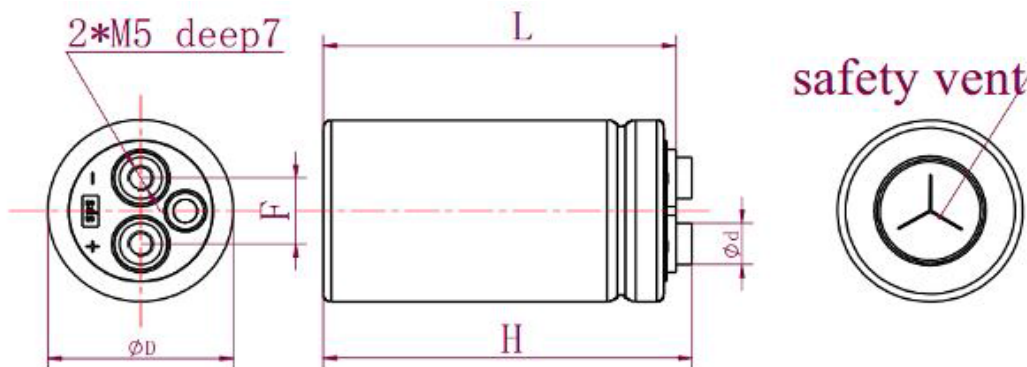


Applications

- 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 startup system



Dimension



Dimension(mm)					
Capacitance	D	H	L	F	d
360F	35.2	67	64	12.7	8
400F	35.2	67	64	12.7	8
600F	35.2	101	98	12.7	8

Specifications

Capacitance (F)	GT Part Number	Maximum ESR (mΩ)		Max. Continuous Current (A)	Max. Peak Current (A)	Leakage Current (mA) @ 25°C after 72 Hours	Max. Energy Stored (Wh)	Max. Energy Density (Wh/Kg)	Weight (g)
		AC @ 1kHz	DC						
360	GTSP-2R7-367US	2.8	3.1	34	230	0.5	0.36	4.7	77
400	GTSP-2R7-407US	2.5	3.0	36	245	0.8	0.41	5.3	78
600	GTSP-2R7-607US	2.5	3.0	38	289	0.9	0.61	5.2	117

Working Voltage	2.7 VDC
Surge Voltage	2.85 VDC
Capacitance Tolerance	-10% to +20% (25°C)
Operating Temperature Range	-40°C to 65°C, $\Delta C < 20\%$, $\Delta ESR < 50\%$ of initial measured value @ 25°C
Storage Temperature Range	-40°C to 70°C
Life (1500hrs @ 85°C @ 2.65V DC)	$\Delta C < 30\%$ of initial measured value, $\Delta ESR < 100\%$ of specified value
storage(2 years @ 70°C, without loading)	$\Delta C < 30\%$ of initial measured value, $\Delta ESR < 100\%$ of specified value



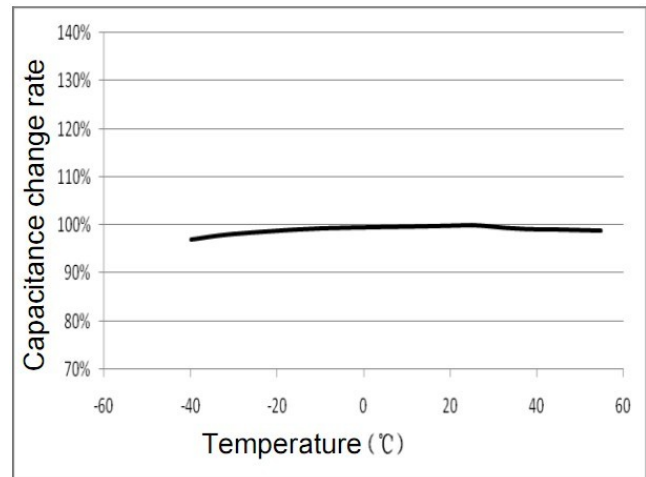
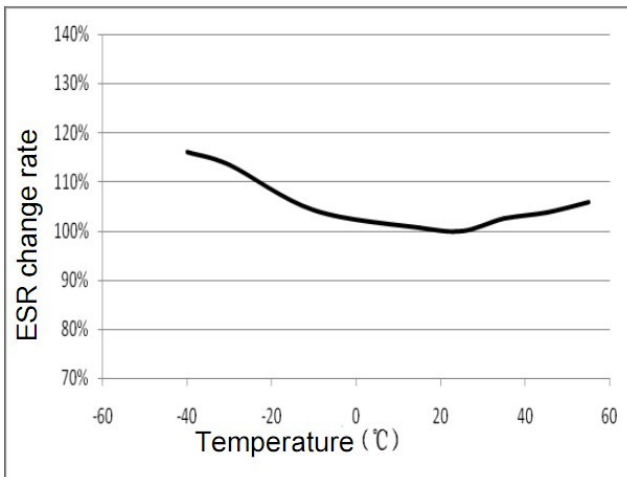
Install method



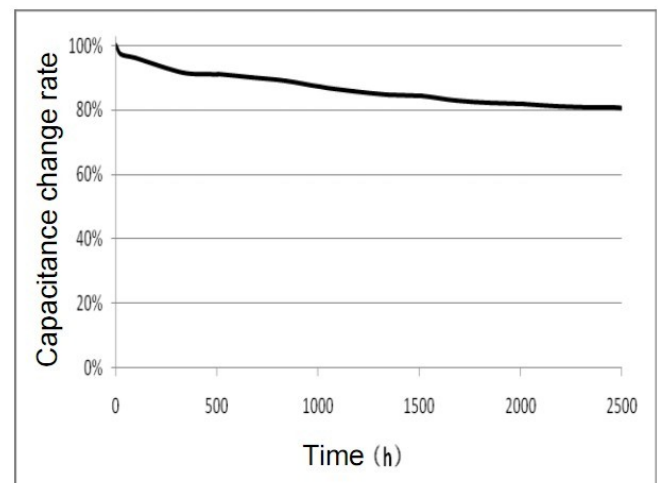
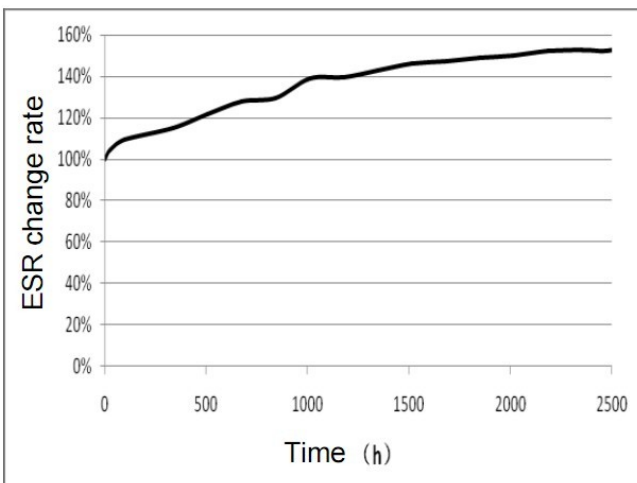
Use M5 screws install the capacitors on the PCB.
It's easy to install and dismantle and change new capacitors.
This terminal type suit for trial and test samples.
You can choose our soldering pillar type when request large amount to soldering on the PCB.

Curve of performance testing

Temperature character:

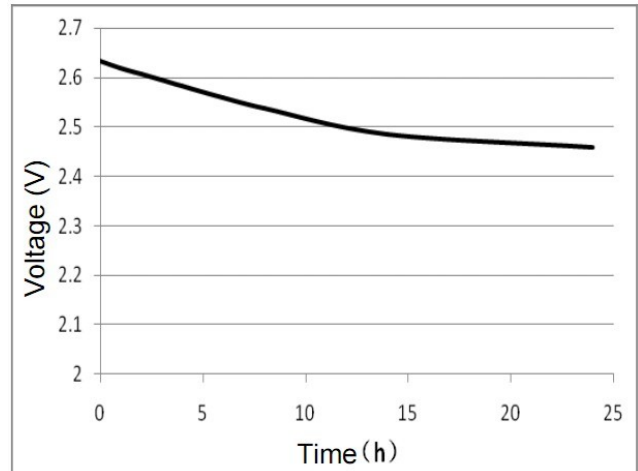
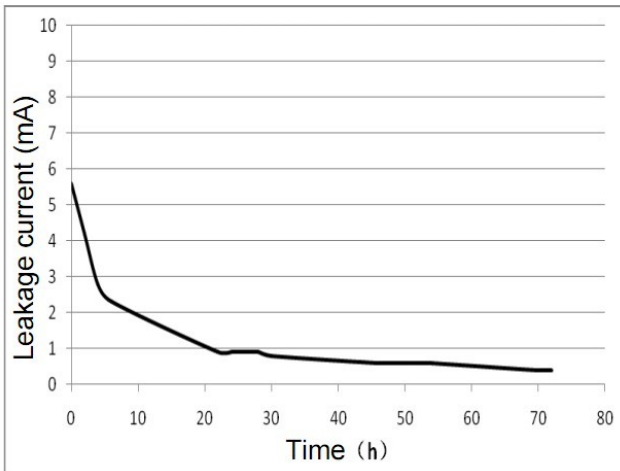


Life character:

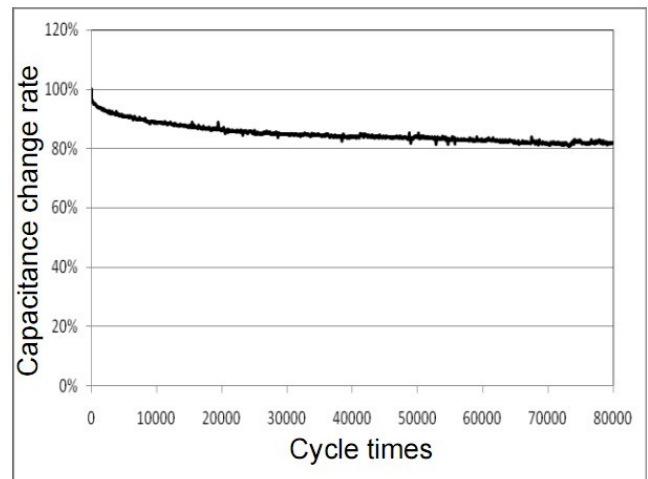
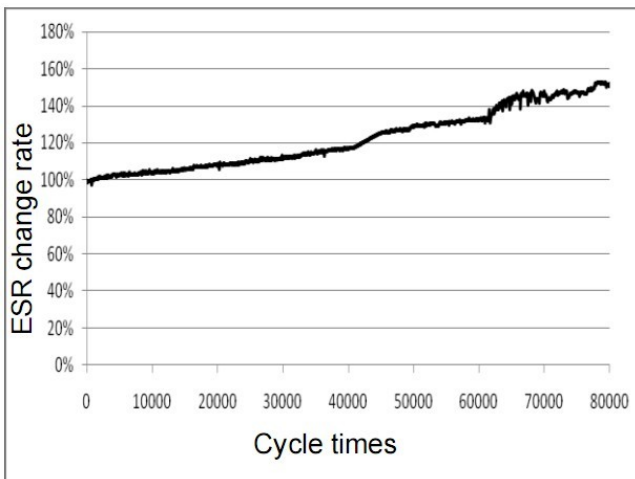




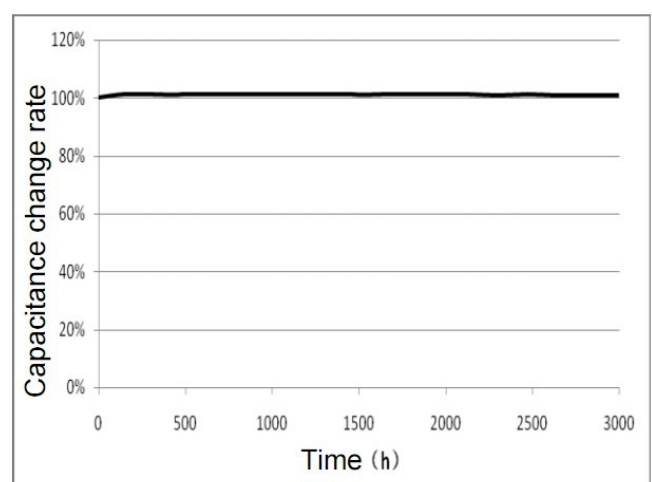
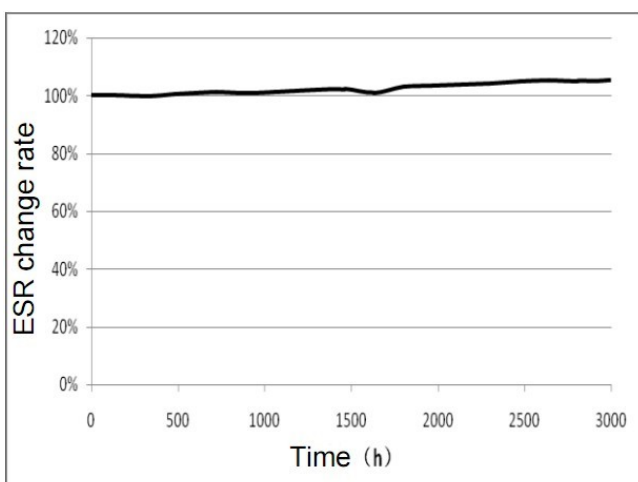
Leakage current,charge&discharge character



Charge&discharge cycle character



Store life character





GT Part NO.

<u>GT</u>	<u>S</u>	<u>□</u>	<u>□ □ □</u>	<u>□ □ □</u>	<u>□</u>	<u>□</u>					
Brand	Super	Series		Rated Voltage		Capacitance		Tolerance		Terminal Type	
Green	capacitor	Code	Series	Code	Voltage	Code	Value (F)	Code	Tolerance	Code	Terminal
Tech		P	Power	2R5	2.5V	104	0.1	J	±5%	H	Horizontal
		E	Energy	2R7	2.7V	224	0.22	K	±10%	V	Vertical
		M	Module	3R3	3.3V	334	0.33	M	±20%	C	Coin
		PH	Hi-Temp P	5R0	5.0V	474	0.47	U	-10%~20%	R	Radial
		EH	Hi-Temp E	5R5	5.5V	105	1.0	V	10%~30%	T	Thread
		MH	Hi-temp M	6R3	6.3V	155	1.5	Z	-20%~80%	N	Snap in
		PP	Big Power	012	12V	205	2.0			W	Weldable
		ML	Military	016	16V	335	3.3			P	Pillar
				024	24V	475	4.7			S	Screw in
				036	36V	805	8.0			L	Wire
				048	48V	106	10				
				056	56V	206	20				
				075	75V	306	30				
				100	100V	506	50				
				120	120V	107	100				
				240	240V	158	1500				
						308	3000				
						508	5000				
						728	7200				