

## TMCS02 Coin Super Capacitor

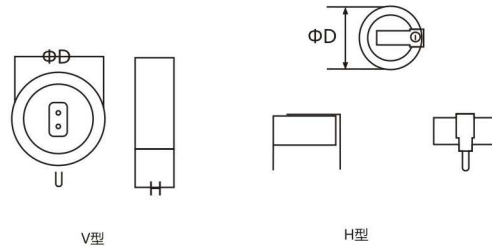
### Features

- Capacitance in farad level
- High discharge current up to 1000C, low ESR
- Long life time of more than 100,000times
- ROHS compliant



### Usage

Power or back-up power for Video, Audio, CM OS, RAM, VCR, Camera, Printer, Hand-set Scanner, Telephone, computer; in farad level LED, Relay, Consumption Electronics, Wireless Communications, Buzzer, Toys

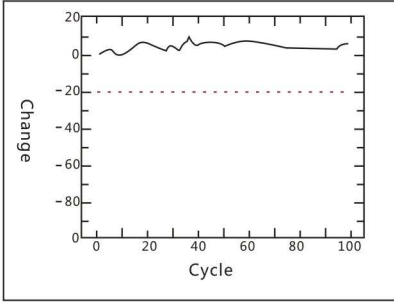


### Specifications

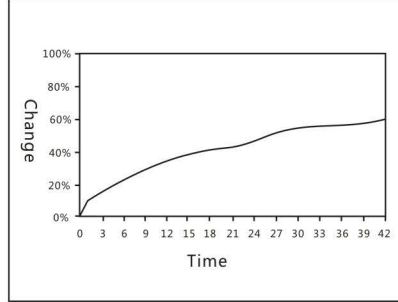
Perfor mance	Cell Type	5.5V Series
Rated voltage		5.5V
Surge voltage		6.0V
Rated capacitance		0.1F-4F
Capacitance tolerance		-20% ~ ±80%(AT25°C)
Operation temperaturs		-20% ~ 70°C
Temperature characteristics		From -25°C to +70°C,  ΔC  ≤ 30% and ESR ≤ 4 times of initially measured values
Moisture-proof characteristics		After fully charged, storage 500 hours at 55°C and 90-95%RH,  ΔC  ≤ 30% and ESR ≤ 4 times of initially measured values
Load life test		After 1,000 hours application under rated voltage DC at 70°C,  ΔC  ≤ 30% of the initial value and ESR ≤ 4 times of initially measured values
Cycle life		Charge-discharge for 100,000 cycles at rated voltage and 25°C,  ΔC  ≤ 30% and ESR ≤ 4 times of initially measured value

Rated voltage	Rated capacitance	ESR @1KHz(Ω)	Size(ΦD*L)(mm )	Solder type
5.5V	0.15F	≤150	7.1*5.0	V
5.5V	0.22F	≤70	9.7*4.6	V,H
5.5V	0.33F	≤60	9.7*6.0	V,H
5.5V	0.47F	≤45	12.8*4.3	V,H
5.5V	0.8F	≤40	16.3*4.8	C,V,H
5.5V	1.0F	≤35	19.0*5	C,V,H
5.5V	1.5F	≤24	20.3*3.9	V,H
5.5V	3.0F	≤15	20.3*6.9	V,H

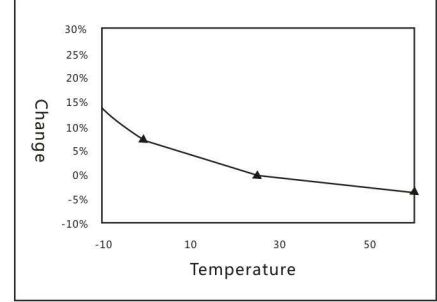
## Characteristics Curve



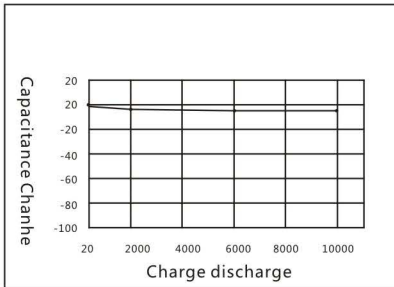
1、 Cycle life Characteristic - Cycle Time vs, Imp Change



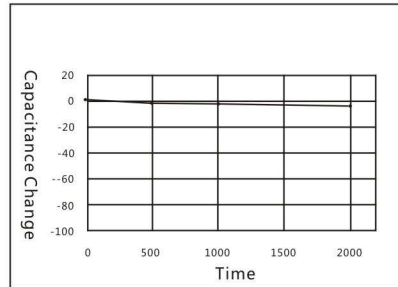
2、 Load Life Test-Time vs Imp Change



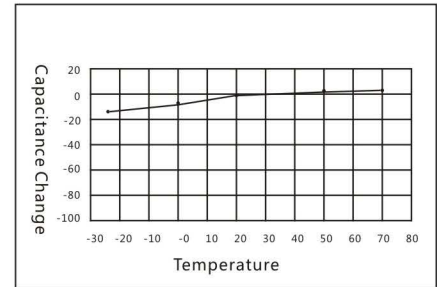
3、 Temperature Characteristic - Temperature vs Change



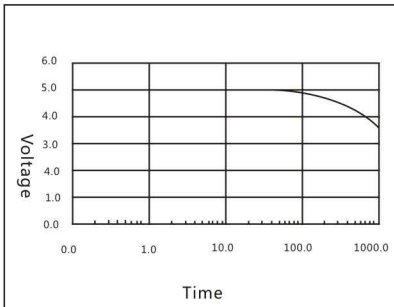
4、 cycle life Characteristic-Cycle Time vs Cap Change



5、 Load Life Test-Time vs Cap Change



6、 Temperature Characteristic Temperature vs Cap Change



7、 Self-discharge Characteristic-OCV vs. Time

**RoHS**

More than **100000**



## Application Case



STB



Car Audio and Video



Digital Photo Frame



Mobile Phone



Mp3



Tax Machine



Gas Cooker