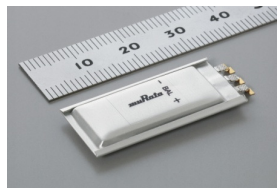


DMF4B5R5G105M3DTA0 / Supercapacitor (EDLC) DMF Series

Featuring High Capacitance and Low ESR, in Small, Slim Package

[Features]

- High power output and high energy: 5.5V
- Compact and slim: 30.0mm x 14.0mm x 3.7mm
- Low ESR (equivalent series resistance): 40mΩ and Stable ESR at lower temperatures
- Flexible charge and discharge
- Low leakage current : less than 10μA @96hrs
- High reliability : Characteristic degradation is reduced by excellent package sealing and optimized electrochemical system

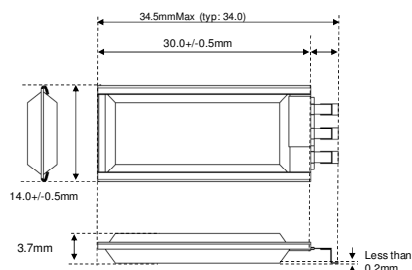


[Applications]

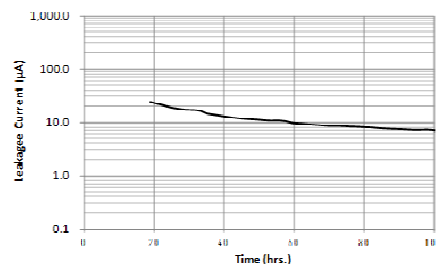
- **Peak Power Assist** for LED flash (DVC, DSC, smart phones), smart meters, electronic tag, e-paper application, RKE
- **Battery Peak Load Leveling** for Point of sale (POS) equipment, tablet PCs, audio, USB/MHL bus power, GPS/GPRS tracking systems, small motor applications, portable audio, power tools, etc.
- **Energy-harvesting system:** Maintenance-free energy storage device

Part Number	Rated voltage(V)	Capacitance (mF)	ESR @1kHz	LxW (mm)	Thickness (mm)	Operation temp.
DMF4B5R5G105M3DTA0	5.5	1000	40	14x30	3.7	-40°C~+70°C

1. Dimensions

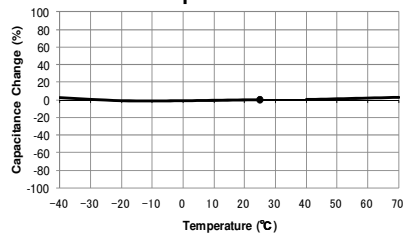


2. Leakage Current

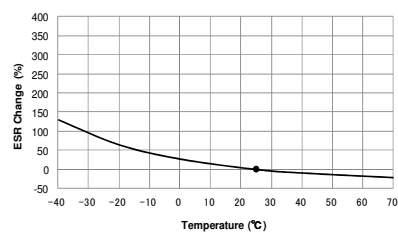


3. Temperature Characteristics (V.S. 25°C)

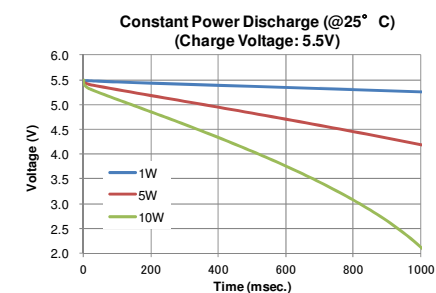
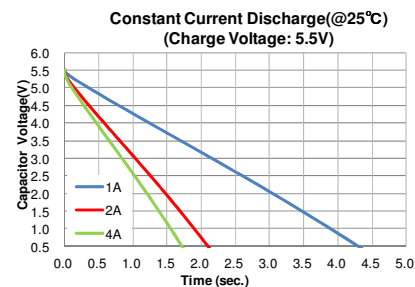
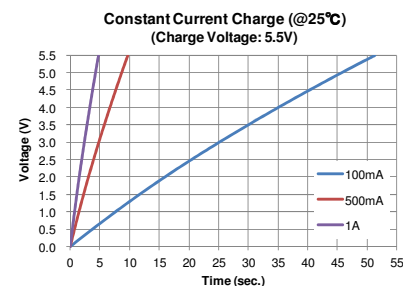
Capacitance



ESR

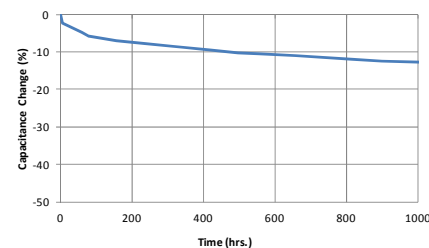


4. Charge and Discharge Characteristics

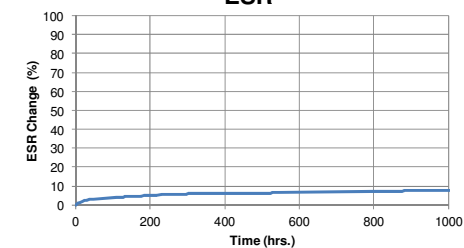


5. High Temperature Loading Test (Test Condition: 4.2V / 70°C)

Capacitance

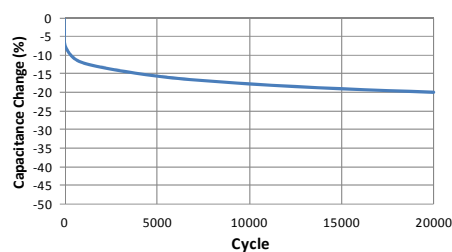


ESR



6. Charge- Discharge Cycle Test (Test Condition: 5.5V / 70°C/ 20,000 cycles)

Capacitance



ESR

