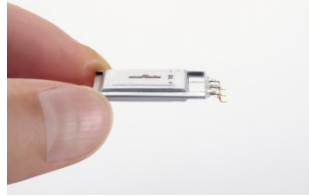
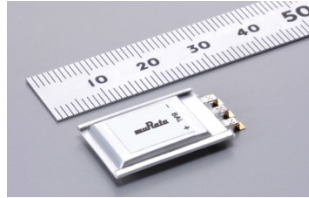


DMF3Z5R5H474M3DTA0 / Supercapacitor (EDLC)

DMF series: High power type ~ High Capacitance and Low ESR, in Small, Slim Package~

[Features]

- High power output and high energy: 5.5V/ Discharge more than 10W per piece
- Compact and slim: 21.0mm x 14.0mm x 3.2mm
- Low ESR (equivalent series resistance): 45mΩ and Stable ESR at lower temperatures
- Flexible charging and discharging from 400μAh to 1.5As
- Low leakage current : less than 5μA @96hrs
- High reliability : Characteristic degradation is reduced by by excellent package sealing and optimized electrochemical system

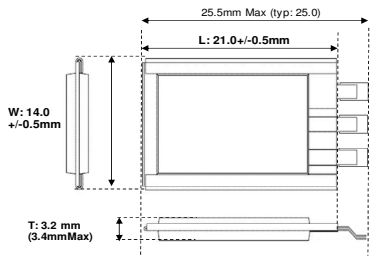


[Applications]

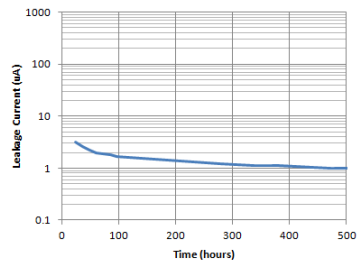
- **Peak Power Assist** for LED flash (DVC, DSC, smart phones), smart meters, electronic tag, e-paper application, smart key, etc.
- **Battery Peak Load Leveling** for Point of sale(POS) equipment, tablet PCs, audio, USB/MHL bus power, GPS/GPRS tracking systems, small motor applications, portable audio, 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.
DMF3Z5R5H474M3DTA0	5.5(Peak)	470	45	21 x 14	3.2(max 3.4)	-40°C~+70°C

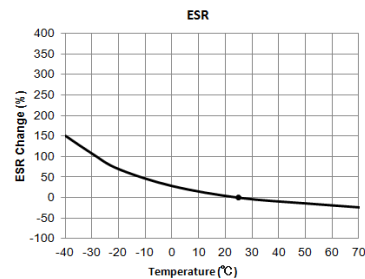
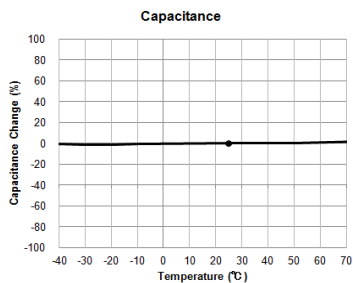
1. Dimensions



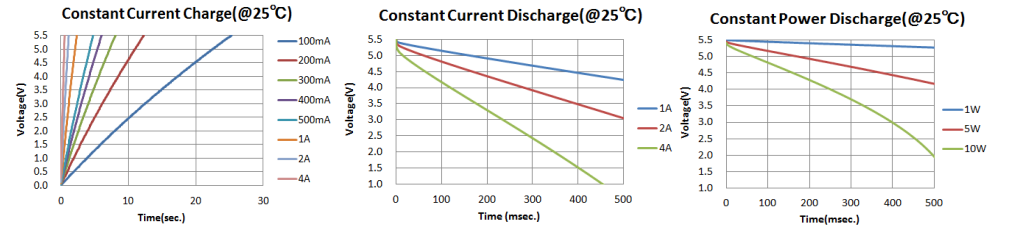
2. Leakage Current



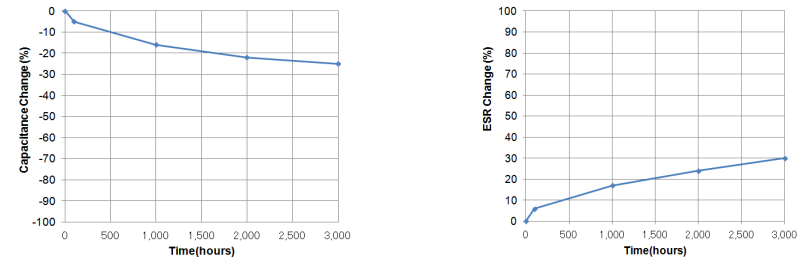
3. Temperature Characteristics (V.S. 25°C)



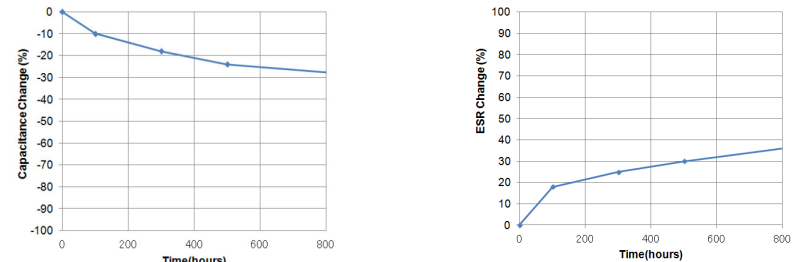
4. Charge and Discharge Characteristics



5-1. High Temperature Loading Test 1 (Test Condition: 4.2V / 70°C)



5-2. High Temperature Loading Test 2 (Test Condition: 5.5V / 70°C)



6. Charge- Discharge Cycle Test (Test Condition: 5.5V / 40°C/ 10,000 cycles)

