

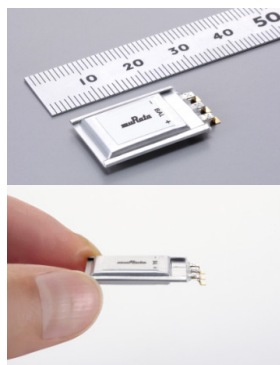
DMT334R2S474M3DTA0 / Supercapacitor(EDLC) DMT Series

DMT series: General-Purpose Type

~Featuring low ESR, small&slim package, and wide operation temperature range up to 85°C ~

[Features]

- High Power: Discharge up to 10A max. per piece
- Low ESR(equivalent series resistance)
- Small and Slim Package (21.0 x 14.0 x 3.5mm)
- Wide Operational Temperature :-40°C to 85°C
- Long life 5years @70°C
- High Reliability: Characteristic degradation is reduced by airtight package and optimized electrochemical system
- Low leakage current : less than 5μA @96hrs

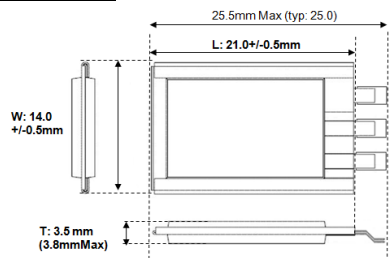


[Application Examples]

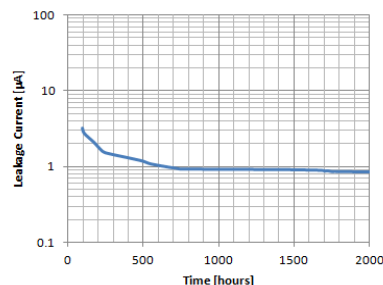
- **Backup** : SSD, PLC, UPS, ATM, etc.
- **Peak power assist** : IoT devices, sensor node, wearable devices, RKE, handy terminals, smart meters(wireless communication system, valve operation), motor-driven devices, e-paper, and so on.
- **Battery Peak Load Leveling** : Portable devices, GPS/GPRS tracking system, POS, Insulin pump, and so on.
- **Energy Harvest** : Supercapacitor can be used as maintenance-free storage device with flexible charge-discharge

Part Number	Rated voltage(V)	Capacitance (mF)	ESR@1kHz (mΩ)	LxW (mm)	Thickness (mm)	Operation temp.
DMT334R2S474M3DTA0	4.2	470	130	21x14	3.5(Max3.8)	-40°C~+85°C

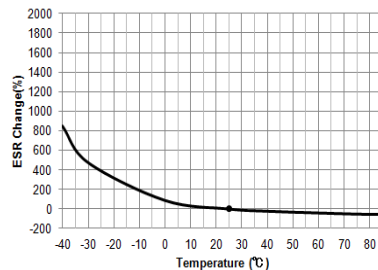
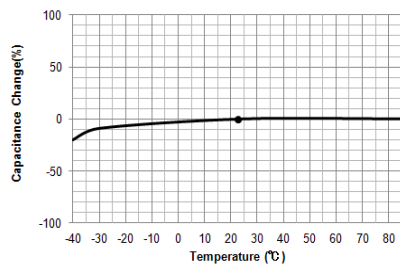
1. Dimensions



2. Leakage Current

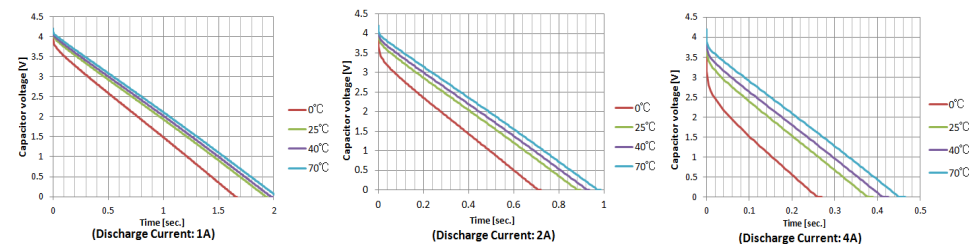


3. Temperature Characteristics(V.S. 25°C)

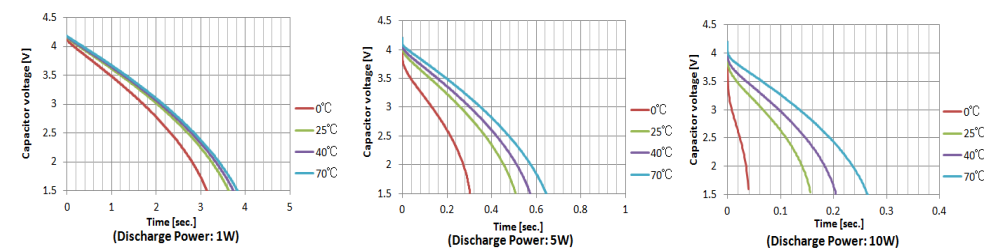


4. Discharge Characteristics

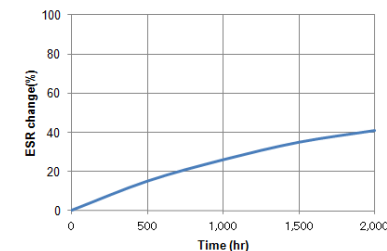
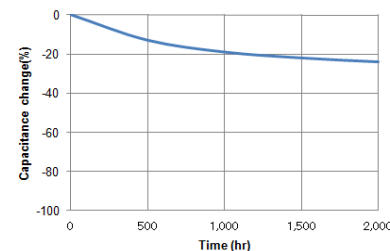
Constant Current Discharge



Constant Power Discharge



5. High Temperature Loading Test (Test Condition: 4.2V / 85°C/ 1,000hours)



6. Charge- Discharge Cycle Test (Test Condition: 4.2V / 25°C/ 100,000 cycles)

