

DMT3N4R2U224M3DTA0 / Supercapacitor(EDLC)

RoHS

REACH

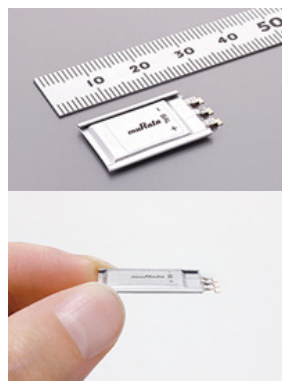
Hand
Soldering
Only

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 2.2mm)
- 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

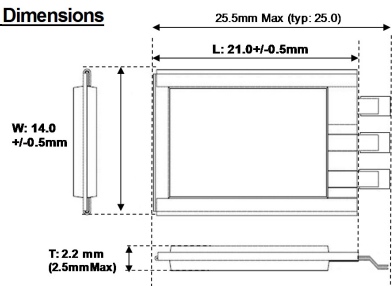


[Application Examples]

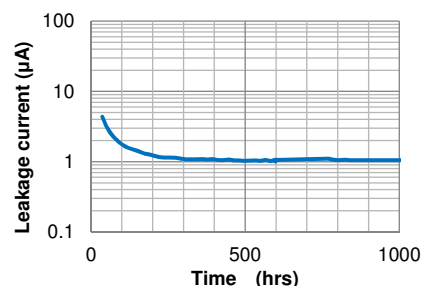
- **Backup** : SSD, PLC, UPS, ATM, etc.
- **Peak power assist** : IoT devices, sensor node, wearable devices, RKE, handy terminals, smart meters(wireless communication system, valve operation), motor-driven devices, e-paper, and so on.
- **Battery Peak Load Leveling** : Portable devices, GPS/GPRS tracking 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.
DMT3N4R2U224M3DTA0	4.2	220	300	21 × 14	2.2(2.5Max)	-40°C~+85°C

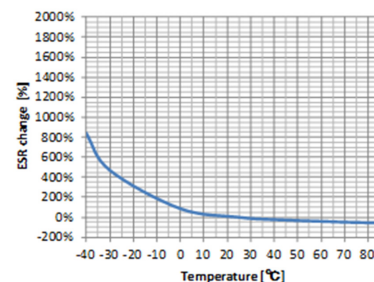
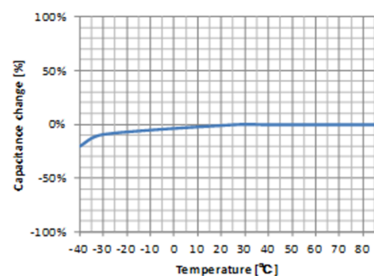
1. Dimensions



2. Leakage Current

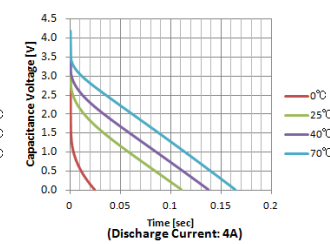
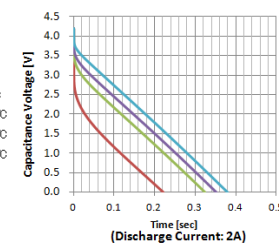
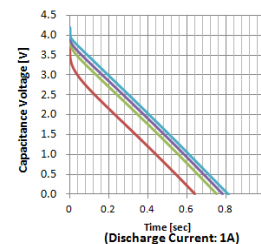


3. Temperature Characteristics(V.S. 25°C)

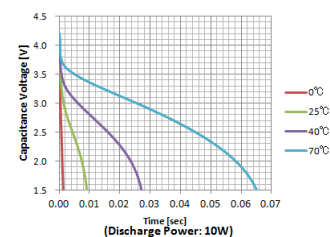
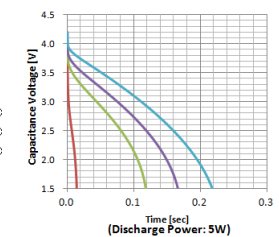
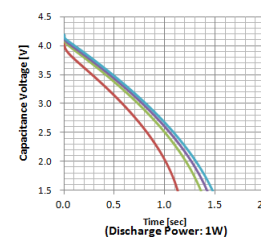


4. Discharge Characteristics

➤ Constant Current Discharge



➤ Constant Power Discharge



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

