DMT3N4R2U224M3DTA0 / Supercapacitor(EDLC)

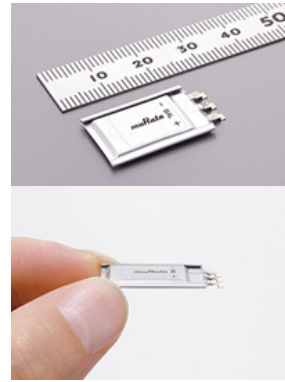RoHS REACH Hand Soldering Only

muRata

DMT series: General-Purpose Type
~Featuring low ESR , small&slim package, and wide operation temperature range up to 85℃ ~

[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℃ to 85℃
- Long life 5years @70℃
- High Reliability: Characteristic degradation is reduced by airtight package and optimized electrochemical system
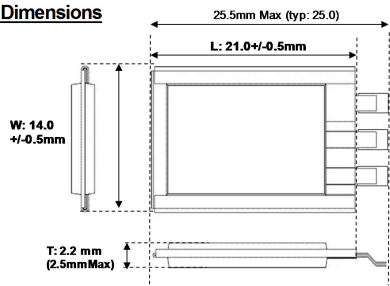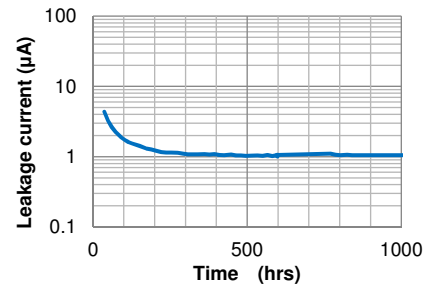- Low leakage current : less than 5µA @96hrs

[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

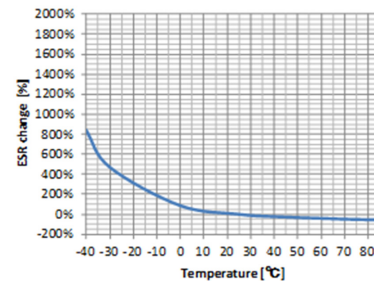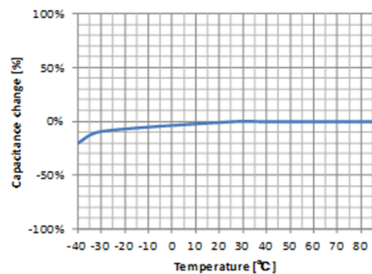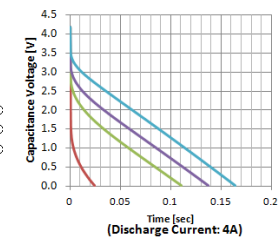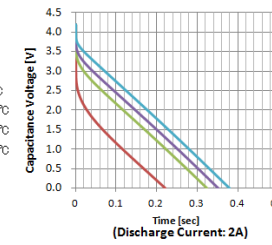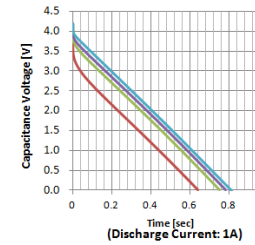| Part Number	Rated voltage(V)	Capacitance (mF)	ESR@1kHz (mΩ)	LxW (mm)	Thickness (mm)	Operation temp.
DMT3N4R2U224M3DTA0	4.2	220	300	21 × 14	2.2(2.5Max)	-40℃～+85℃

1. Dimensions
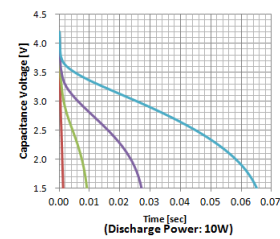

2. Leakage Current
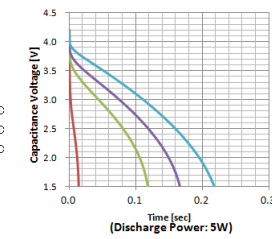

3. Temperature Characteristics(V.S. 25℃)
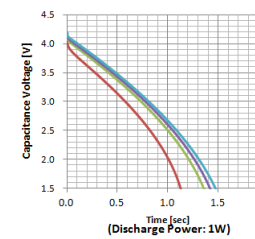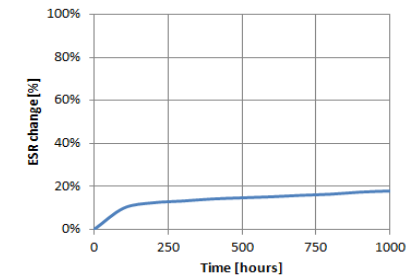

4. Discharge Characteristics

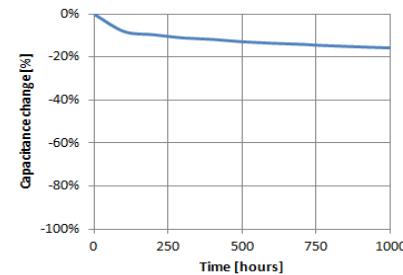➢ Constant Current Discharge

➢ Constant Power Discharge

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

No. C2M1CXS-247(E)

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