

Murata DMF4B5R5G105M3DTA0 **PDF**

深圳创唯电子有限公司

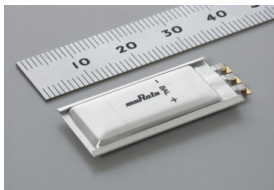
<http://www.murata-ec.com>

DMF4B5R5G105M3DTA0 / 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: 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

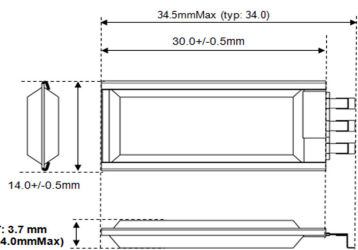


[Applications]

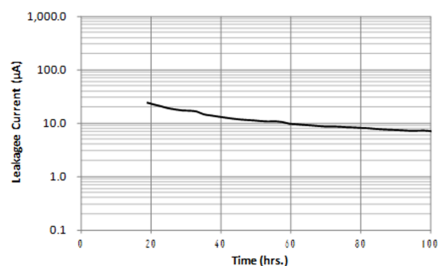
- **Peak Power Assist** for LED flash (DVC, DSC, smart phones), smart meters, electronic tag, e-paper application, RKE
- **Battery Peak Load Leveling** for Point of sale (POS) equipment, tablet PCs, audio, USB/MHL bus power, GPS/GPRS tracking systems, small motor applications, portable audio, power tools, 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(Peak)	1000	40	30 x 14	3.7(Max4.0)	-40°C~+70°C

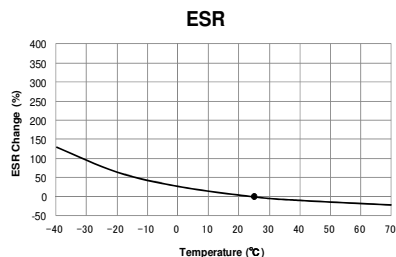
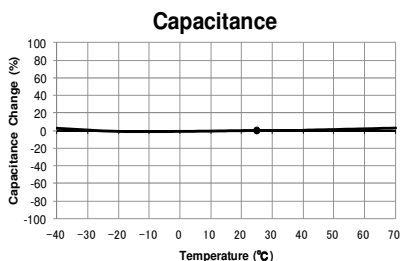
1. Dimensions



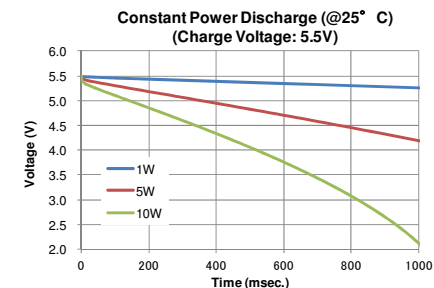
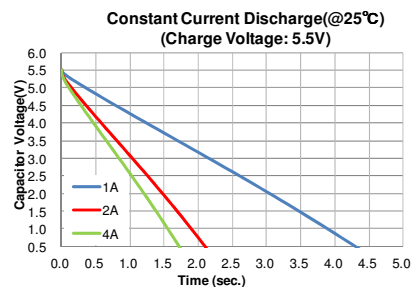
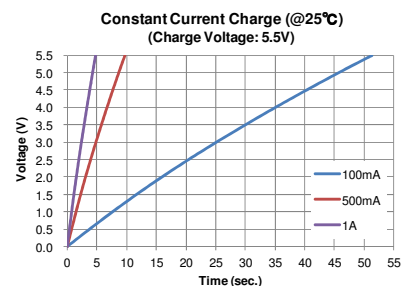
2. Leakage Current



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



4. Charge and Discharge Characteristics



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

