



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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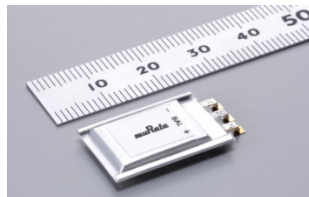


DMF3Z5R5H474M3DTA0 / Supercapacitor (EDLC)

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 excellent package sealing and optimized electrochemical system

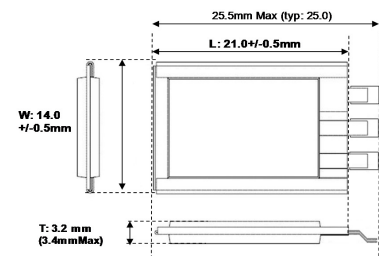


[Applications]

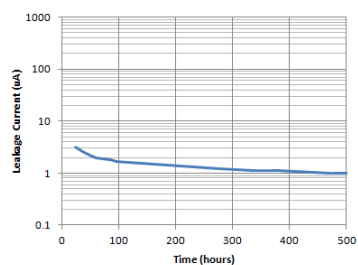
- **Peak Power Assist** for LED flash (DVC, DSC, smart phones), smart meters, electronic tag, e-paper application, smart key, etc.
- **Battery Peak Load Leveling** for Point of sale (POS) equipment, tablet PCs, audio, USB/MHL bus power, GPS/GPRS tracking systems, small motor applications, portable audio, 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

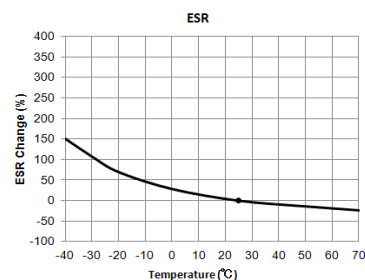
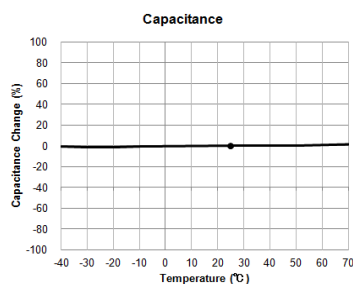
1. Dimensions



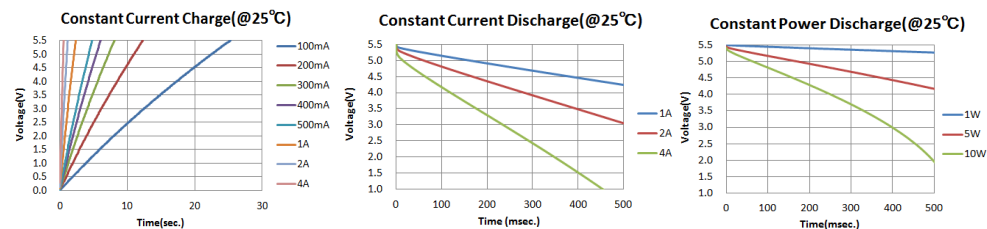
2. Leakage Current



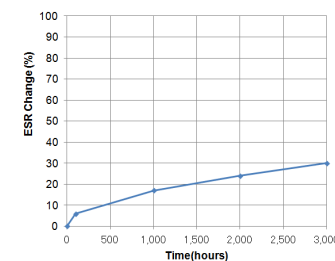
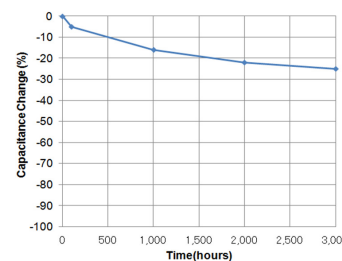
3. Temperature Characteristics (V.S. 25°C)



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)

