

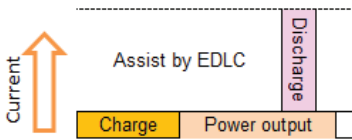
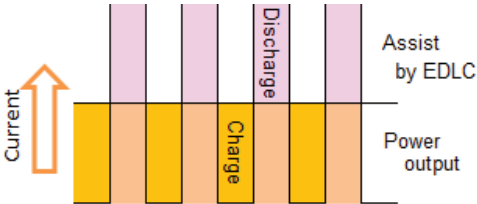
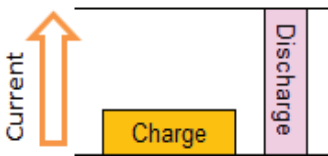
High Power Density Electrical Double Layer Capacitor

World's thinnest EDLC featuring High Power and High Energy Densities

EDLC featuring high voltage, high capacitance, and low ESR will contribute to improving the performance of battery applications



Applications

- Peak Power Assist**
 Ideal for use as an auxiliary power supply for high-intensity LED flash and motor applications
 
- Battery Assist**
 Assist peak load of battery-powered equipment
 Reduce battery load.
 
- Back Up**
 Ideal for use as backup energy device in case instantaneous power failure for SSD or other storage application.
 

Features

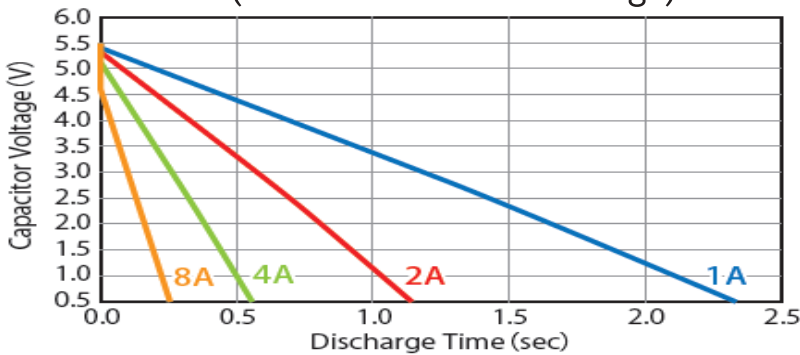
- Higher output power than conventional EDLCs
High allowable current/power (~10A/~3Ws)
- High power density/ Compact size
Suitable for portable devices
- High energy
Flexible discharge 400μAh ~1.5As,
Higher power is available by connecting several EDLCs in series/ parallel
- Wide operation temperature range
High power peak assist under various environment
-30°C ~ +70°C (DMF series)/ 85°C (DMT series)
- Low ESR at lower temperature
Good performance of battery assist even at low temperature
- Long life even at high temperature (DMT series)
High operation temperature up to 85°C
Long term reliability of five years at 70°C
- Long charge-discharge cycle life - exceeding 100k cycles
Maintenance free energy device

System Outline

- High Power Type (DMF series)
470mF/45mΩ

Rated Voltage	4.0 ~ 5.5V
L x W	14 x 21mm
T	3.2mm
Initial Capacitance	470mF
Initial ESR	45mΩ
Operation Temp. Range	-30°C ~ +70°C

Discharge characteristic
(Constant current discharge)



- High Temperature Reliability type (DMT series)
470mF/130mΩ

Rated Voltage	4.2V
L x W	14 x 21mm
T	3.5mm
Initial Capacitance	470mF
Initial ESR	130mΩ
Operation Temp. Range	-30°C ~ +85°C

Discharge characteristic
(Constant current discharge)

