**Taiyo Yuden: Supercapacitors**

**LIC Series Cylinder Type Lithium Ion Capacitors**

**Features:**
- Lithium Ion Capacitor (LIC) is one of the Hybrid Capacitors to which the reaction of EDLC and that of Li-ion battery are adopted.
- LIC applies the reaction of the lithium-ion battery with anode, therefore it has extremely large capacitance.
- The technique of doping lithium ions to the anode previously (precipitating) makes a cell voltage of 3.8V attainable.
- In spite of a high output voltage, damages to the electrodes can be represented because of low electrode's potential due to pre-doping technique. Therefore LIC shows excellent performance of cycle life.

For additional values and sizes, visit mouser.com

### MOUSER Taiyo Yuden Stock No. Part No. Fig. Value (mF) Volts (V) Resistance (Ω) Dimensions: mm Price Each

### PAS Series Cylinder Type Radial Capacitors

**Features:**
- PAS can store a large number of ions into its amorphous structure (doping), therefore PAS capacitor has much larger capacitance than conventional electric double layer capacitors.
- Quick-charge with amps measure is possible with its low internal resistance.
- Operating temperature range: -25°C to +60°C
- Tolerance: 20%

**Applications:**
- Back-up power source for CPU, microcomputer, and flash memory writing when shutting off the power.
- Load change leveling (life lengthening of main power source such as dry battery, Lithium primary battery).
- Power source storage combined with solar cell, fuel cell and generator.
- Main power source for small devices (Measuring equipments, toys)

For quantities greater than listed, call for quote.

### MOUSER Stock No. Part No. Fig. Value (F) Volts (V) Resistance (Ω) Dimensions: mm Weight (g) Price Each

### PAS Series Coin Type Capacitors

**Features:**
- High capacity
- Memory and RTC back-up power sources used for
- High reliability
- Used in cellular phone, PDA, digital camera, portable radio.

For additional values and sizes, visit mouser.com

### MOUSER Stock No. Part No. Fig. Value (mF) Volts (V) Resistance (Ω) Dimensions: mm Weight (g) Price Each

### BESTCAP™ HIGH POWER PULSE SUPERCAPACITORS

**Features:**
- High specific capacitance
- Very low ESR
- Low profile
- Non-polar
- Low leakage
- High power pulse capability

**Applications:**
- Memory back up
- Laser systems
- Wireless alarm systems
- GSM/GPRS/CDMA/GPS wireless communication products
- ADSL/DSL, and other communication equipment
- Hybrid battery packs

Case Size Lat.(0.050) Wd.x Th. (0.008) H mm:
- BZ08 3.3 2.7 6.3
- BZ05 2.0 1.5 6.3
- BZ12 4.8 3.3 6.8
- BZ15 20 15 2.3 6.5

### MOUSER Stock No. AVX Part No. Series Rating (Vdc) Value (mF) ESR (mΩ) @ 1kHz Lead Format DCL (μA) Case Size Tolerance Thickness (T) Price Each

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**For quantities greater than listed, call for quote.**