

● Features

- Small-sized, but large capacity
- Unlike battery, almost unlimited charge/discharge cycle



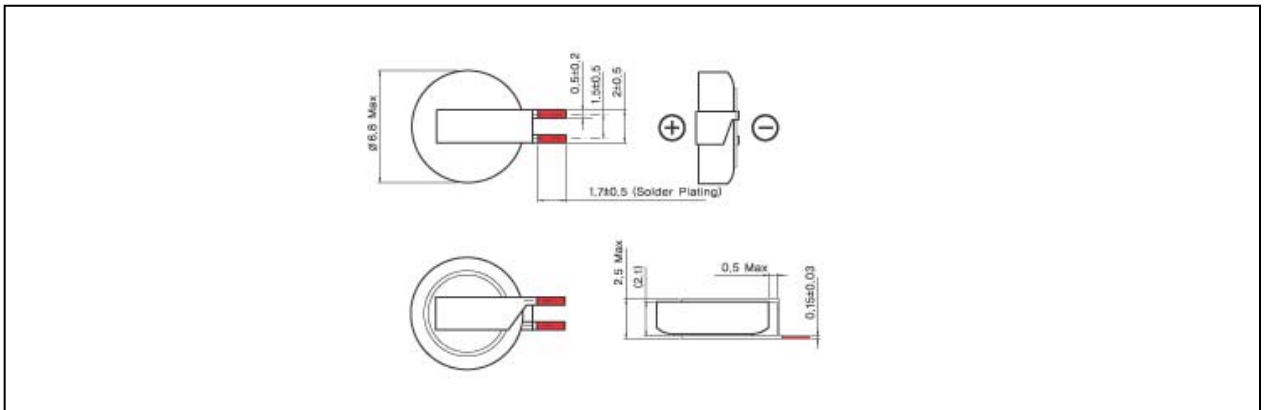
● Applications

- Ideal for solar watches, solar calculators, MP3, PMP, Memory back-up for Cellular phone, Digital camera, PDA, Digital Photo Frame

● Specifications

Items	Characteristics			
	2.5VDC	2.8VDC	2.8VDC	3.3VDC
Rated working voltage	2.5VDC	2.8VDC	2.8VDC	3.3VDC
Operating temperature	-25 to +70 °C	-25 to +70 °C	-10 to +60 °C	-10 to +60 °C
Normal Cap. Range	0.33F	0.33F	0.47F	0.22F
Capacitance tolerance	-20% to +80%(at 25 °C)			
Low temperature(-25 °C) characteristics	Capacitance change : ≤30% of initial measured value at +25 °C Internal resistance : Less than five time of the initial value +25 °C			
Endurance	Capacitance change : ±30% of initial measured value Internal resistance : ≤400% of initial specified value (After 1,000hours application of rated DC working voltage at +60 °C, 70 °C, the capacitor shall meet the following limits.)			
Shelf life	After 1,000hours storage at +60 °C, 70 °C without load, the capacitor shall meet the specified limit for "Life"			

● Dimensions in mm(not to scale)



● Standard products

Part Number	Operating Voltage (V)	Capacitance (F)	ESR (Ω, @1kHz)	ΦD×L (mm)
DM 2R5 334	2.5	0.33	≤ 100	Ø6.8×2.1
DM 2R8 334	2.8	0.33	≤ 100	Ø6.8×2.1
DM 2R8 474	2.8	0.47	≤ 200	Ø6.8×2.1
DM 3R3 224	3.3	0.22	≤ 200	Ø6.8×2.1

Note : It is not allowed to go through reflow (IR, Atmosphere heating methods etc.) process