

● Features

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

● Applications

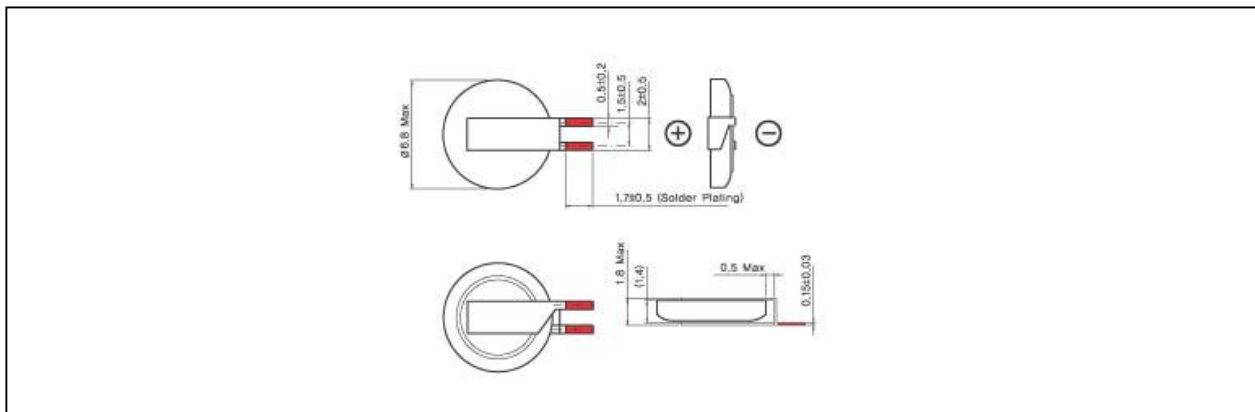
- Ideal for solar watches, solar calculators, MP3, PMP, Memory back-up for Cellular phone, Digital camera, PDA, Digital Photo Frame, Digital Health Care Devices



● Specifications

Items	Characteristics	
Rated working voltage (V)	3.3VDC	
Operating temperature	-10℃ to +60℃	
Normal Cap. Range	0.20F	0.22F
Capacitance tolerance	-20% to +80%(at 25℃)	
Endurance	After 1,000hours application of rated DC working voltage at +60℃ the capacitor shall meet the following limits. <ul style="list-style-type: none"> • Capacitance change : ±30% of spec. value • Internal resistance : ≤400% of spec. value 	
Shelf life	After 1,000hours storage at +60℃ without load, the capacitor shall meet the specified limit for "Endurance"	

● Dimensions in mm(not to scale)



● Standard products

Part number	Operating Voltage (V)	Capacitance (F)	ESR (Ω, @1kHz)	ΦD×L (mm)
DMS 3R3 204	3.3	0.20	≤ 200	Ø6.8×1.4
DMS 3R3 224	3.3	0.22	≤ 200	Ø6.8×1.4

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