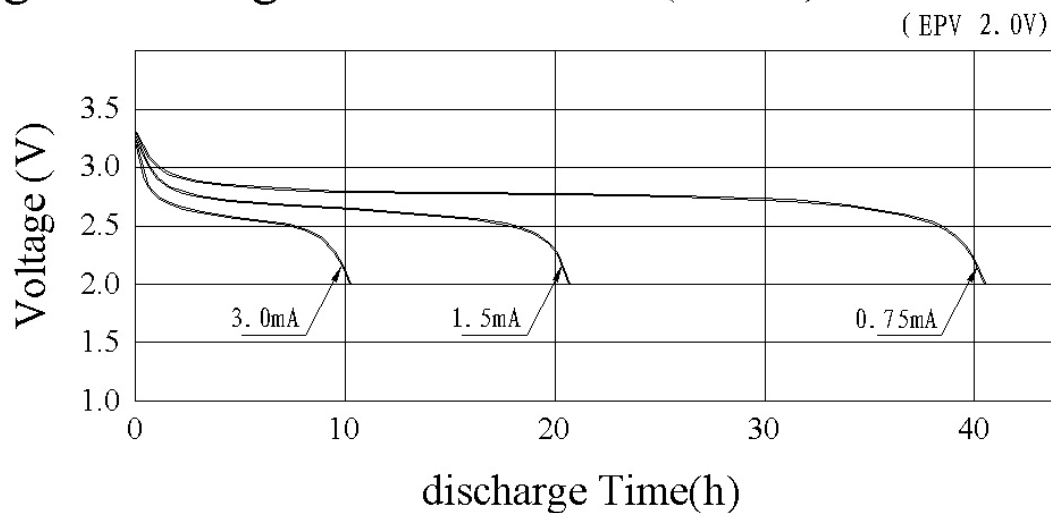


Dimensions	
<p>The drawing shows a rectangular battery with a positive terminal (+) and a negative terminal (-). Dimensions are provided in millimeters with tolerances: overall length 53.8<sup>+0.2</sup>-0.4, overall width 44.8<sup>+0.2</sup>-0.2, and overall thickness 23.0<sup>+0.2</sup>-0.2. The terminal width is 9.0<sup>+0.2</sup>-0.4. A note indicates a '0.45 MAX THICK AREA' on the left side. Internal text reads 'Thin Lithium 3V • CP042345F 30 mAh'.</p>	<p>Product Features:</p> <ol style="list-style-type: none"> <li>1. Safe and Environmentally Friendly</li> <li>2. High Energy Density</li> <li>3. Shelf-life:5 Years</li> <li>4. Nominal Voltage:3.0V</li> <li>5. Thickness:0.40~0.45mm</li> <li>6. UN 1-8 Test Certified</li> <li>7. UL Listed:UL1642</li> <li>8. Flexible:ISO 7816 Certified</li> </ol>

Technical Specifications and Performance		
Model Number	CP042345F	
System	Lithium Polymer	
Positive	Manganese Dioxide	
negative	Metallic Lithium	
Main Applications	Active Smart Cards Electronic Tag, RFID Smart Cards	
Nominal Voltage	3.0 volts	
Nominal Capacity	30 mAh ( cut off : 2.0V )	
Continuous Current (Max)	15mA	
Standard discharge current	0.75mA	
Operating Temperatures	-10°C to 60°C	
Storage Temperatures	-20°C to 40°C	
Dimension	Length	23.0mm
	Width	44.8mm
	Thickness	0.45mm
Weight,approx.	0.75 grams	
Capacity Retention ( % )	>75, after 5 years storage at 23°C	
Anode Tab/Cathode Tab	Nickel 9.0×4.0×0.1	
Jacket	Flexible Aluminum Foil Packaging	

**Fig.1. Discharge characteristics (at 23°C)**



**Fig.2. Temperature characteristics (at 0.75mA)**

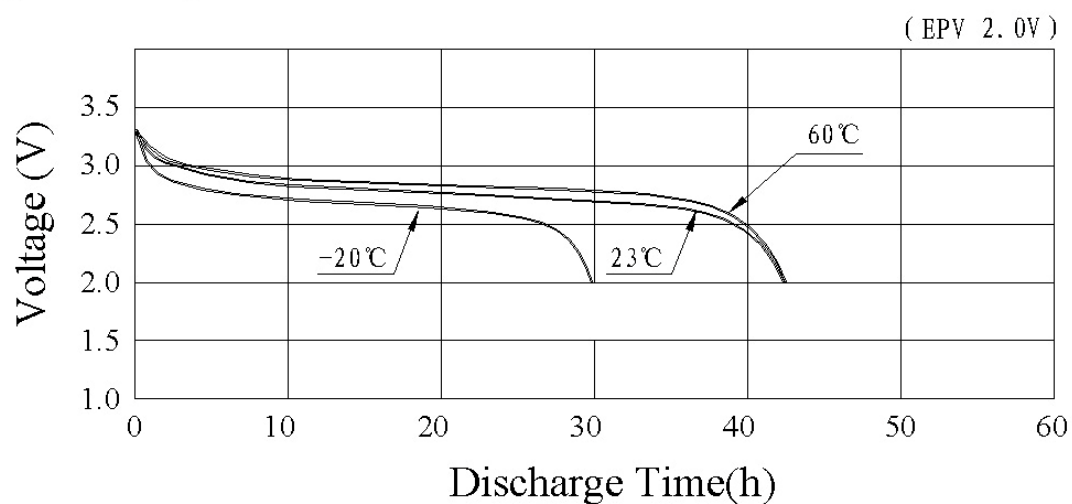


Fig.3.Load vs. Operating voltage

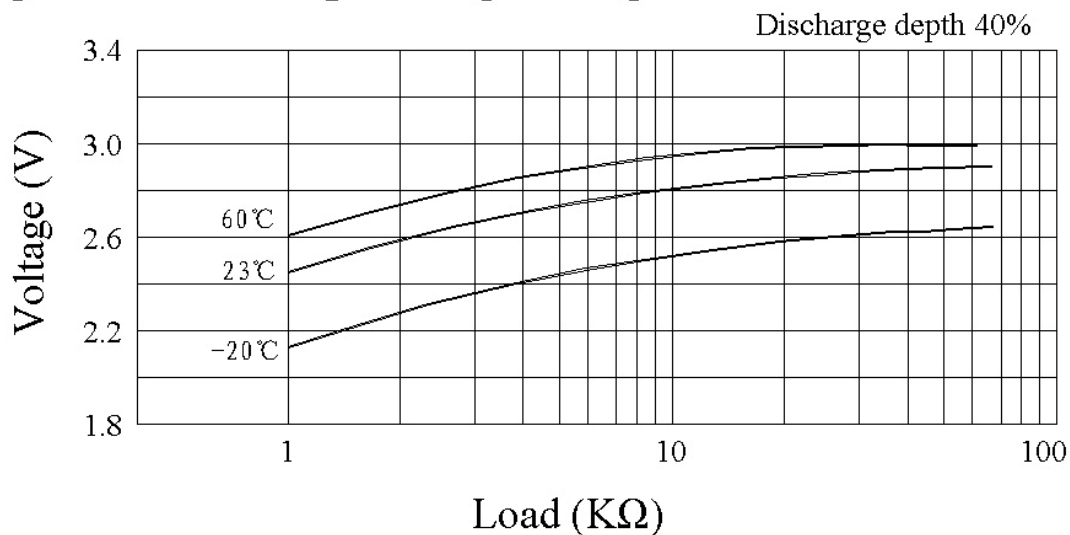
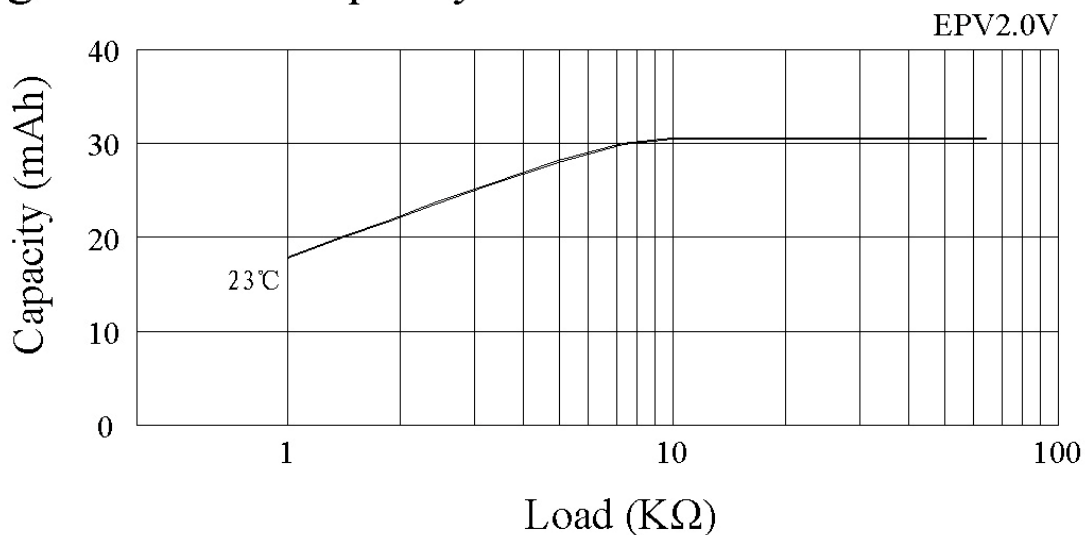


Fig.4.Load vs. Capacity



**Fig.5.Storage characteristics**

