

Power-Xtra CR2032-73 - 3V Lithium Li-MnO₂ Battery - 3 Pins - Vertical

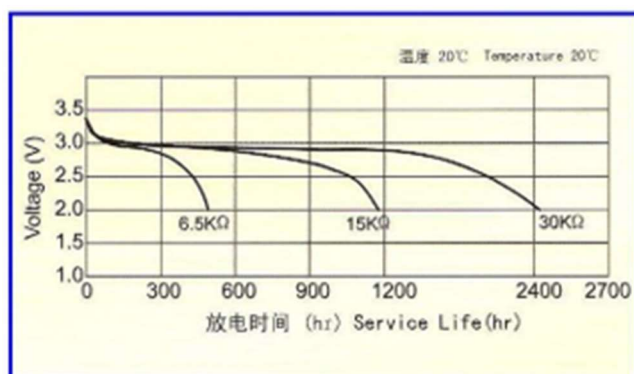
SPECIFICATIONS OF SINGLE CELL

| | |
|------------|-------------------------------------|
| Type | Li-MnO ₂ Buton with Pins |
| Stock Code | 900.600.503.042 |
| Model | CR2032, CR-2032, PX-CR2032-73DV |

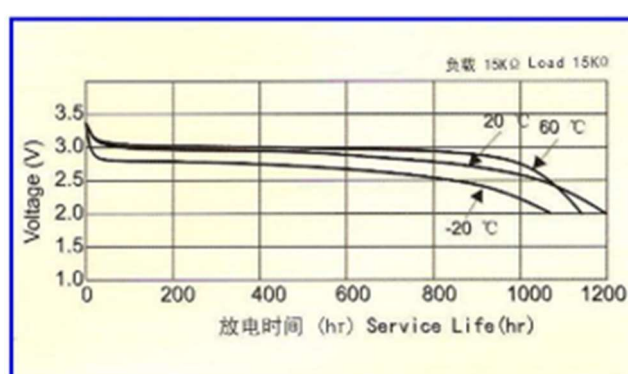
TECHNICAL INFORMATION

| Item | Specifications | Conditions |
|--|---|--|
| Nominal Voltage | 3.0V | |
| Typical Capacity | 210 mAh | Standard discharge with load 15k Ω |
| Instantaneous short-circuit current | ≥ 250 mA | Time ≤ 0.5 second |
| Off-load voltage | ≥ 3.20 V | No load |
| Service Output - Initial | 1132 h | Continuous discharge with load 15k Ω , till 2.0v end-voltage, Temperature $20 \pm 2^\circ\text{C}$, under the condition of related humidity $\leq 75\%$ RH |
| Service Output - After 12 months storage | 1110 h | |
| Typical Weight | 2.75 gr | |
| Recommended Storage Temperature Range | $20 \pm 2^\circ\text{C}$ | 5 years after delivery under proper storage conditions. |
| Recommended Operation Temperature Range | -20°C to 60°C | |
| Shelf Life | 3-5 Years | Recommended Storage Range : $20 \pm 2^\circ\text{C}$ Recommended Humidity Range : $65 \pm 20\%$ RH |

Discharge Characteristics

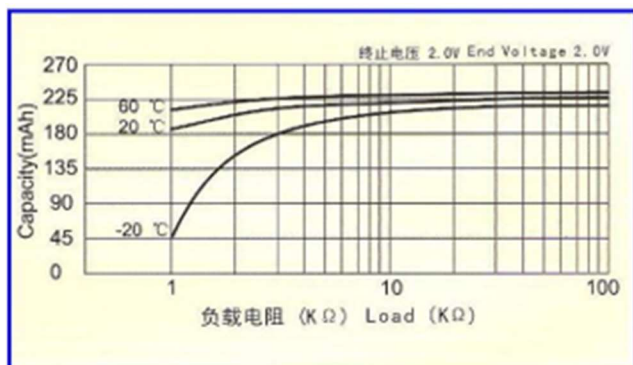


Temperature Characteristics

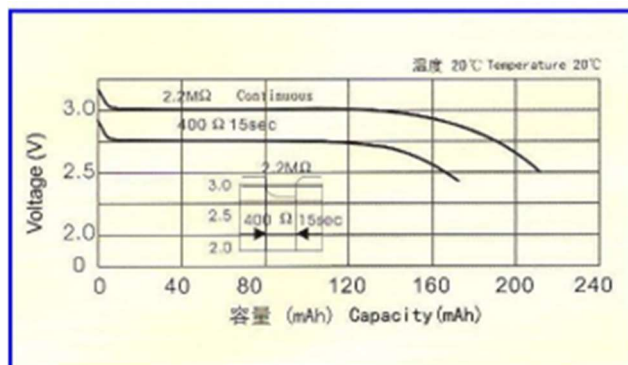


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Load Capacity



Pulse Discharge Characteristics



TECHNICAL INFORMATION

| Item | Test Methods | STANDARD | |
|-------------------------------------|--|---|---------------------|
| Dimension | Using vernier caliper (accuracy \geq 0.02) while avoiding short-circuit | Diameter | 20.0 (-0.2) mm |
| | | Height | 3.2 (\pm 0.1) mm |
| Off-load voltage | Using multimeter (accuracy \geq 0.25%) internal resistance \geq 1MΩ | \geq 3.20v | |
| Instantaneous short-circuit current | Time of short-circuit should be less than 0.5 second and avoid repeated test within half an hour | \geq 250 mA | |
| Appearance | Eyeballing | Bright, clean, no rust, no leakage, And no flaw | |
| Capacity | Continuously discharge for with load 15kΩ, temperature at 20~25°C, humidity at 65 \pm 20% till 2.0v end-voltage (for fresh battery only; within 3 months) | \geq 1132 h | |
| Vibration test | Put battery on the platform of the vibrations machine, start the machine and adjust the frequency form 10 times per minute to 15 times per minute. keep it running for an hour | Characteristics keep stability | |
| Leakage at high temperature test | Stored under temperature (50°C) for 10 days | No leakage allowed | |
| Over discharge Test | After 2.0v end-voltage, continuously discharged for 5 hours | No leakage allowed | |

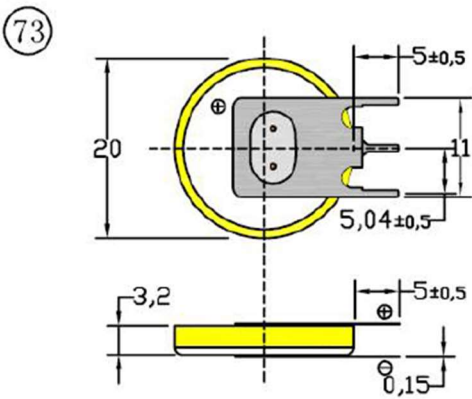
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Image and Technical Drawings

Image



Technical Drawing



STANDARD

Diameter

20.0 (-0.2) mm

Height

3.2 (±0.1) mm