

PRODUCT SPECIFICATION

Individual Product Specification

Specifications for
Cylindrical Zinc Carbon Battery
R14 (DDNF)

Date of stipulation:
1999-04-28

Stipulated

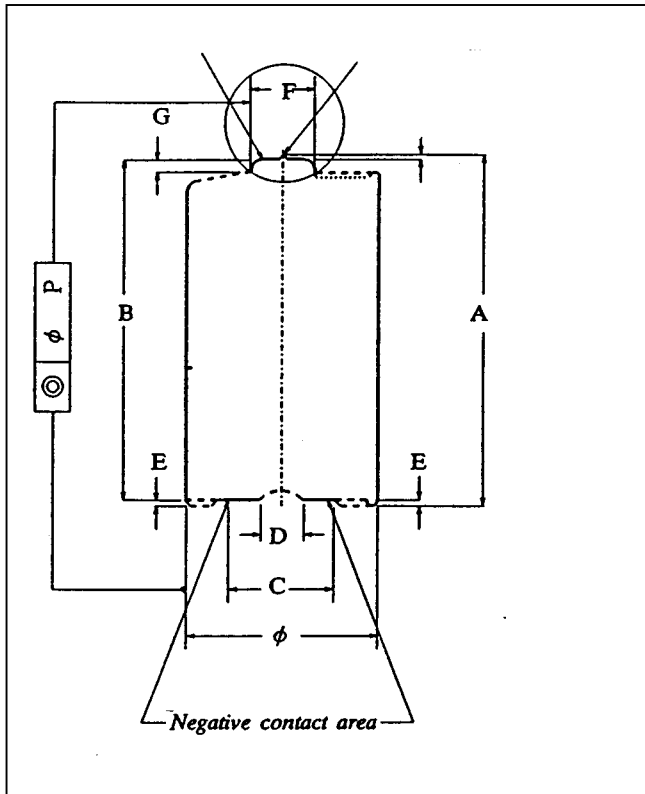
Described

| PRODUCT SPECIFICATION | | | | | Panasonic |
|---|------------|---|----------------------------|----------------------------|-----------|
| Individual Product Specification | | | | | DDNF |
| 1. Battery identification | | name | R14 / UM 2 | | |
| | | type | zinc carbon / metal jacket | | |
| | | nominal voltage | 1.5 V | | |
| | | average weight | 47 gr. | | |
| | | manufactured by | PMBP | | |
| 2. Battery dimensions | | As per attached drawing | | | |
| 3. Typical battery performance | | Discharge modes | | | |
| Test | Resistance | Daily period | End point | Result * | Result** |
| Radio | 20 Ω | 4 h | 0.9 V | 58.0 h | 50.9 h |
| Recorder | 6.8 Ω | 1 h | 0.9 V | 17.8 h | 14.9 h |
| Motor | 3.9 Ω | 1 h | 0.8 V | 10.0 h | 8.2 h |
| LIF | 3.9 Ω | 4 min./h , 8 h/ day | 0.9 V | 603 min | 519 min |
| Open circuit voltage (OCV) Minimum average duration | | | | | |
| | | | Initial* | After 12 months storage ** | |
| OCV (at 20±2°C) | | | 1.6 V | 1.52 V | |
| Min. Aver. duration (at 20±2°C)*** | | | 49.0 h | 42.5 h | |
| <p>* The initial discharge test shall commence with 30 days since manufacture. During this period, the batteries are kept under the condition of 20±2°C.</p> <p>** During this period, the batteries shall also be kept under the condition of 20±2°C.</p> <p>*** 20 Ω, 4 h / day, 0.9 V</p> | | | | | |
| 4. Mercury and Cadmium contents | | No Mercury (Hg) and Cadmium (Cd) are used in battery. | | | |
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Size:
IEC: R14



| Dim | Max | Min |
|-----|------|------|
| Ø | 26.2 | 24.9 |
| A | 50.0 | 48.5 |
| B | | 48.6 |
| C | | 13.0 |
| D | 5.0 | |
| E | 0.9 | |
| F | 7.5 | 5.5 |
| G | | 1.5 |
| Pip | 0.4 | |

| | |
|----------------|---------------------|
| Voltage | 1.5 V |
| Terminal | (+) Cap (-) Base |
| Average weight | 47 g |
| Jacket | Metal |

Scale

Carbon Zinc Dry Battery R14

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