### GP17AAAH DATA SHEET

**Type**: Rechargeable Nickel Metal Hydride Cylindrical Cell

**Nominal Dimension**
- **(with Sleeve)**: Φ = 10.4mm, H = 14.1mm

**Applications**: Recommended discharge current 17 to 510mA

**Nominal Voltage**: 1.2V

**Capacity**
- Nominal: 170mAh
- Minimum: 170mAh
- Typical: 180mAh
- When discharged at 34mA to 1.0V at 20℃

**Charging Condition**: 17mA for 16 hrs at 20℃

**Fast Charge**: 85mA to 170mA (0.5 to 1C) charge termination control recommended control parameters:
- **ΔV**: 0-5mV
- **DT/dt**: 0.8℃/min (0.5 to 0.9C)
- 0.8 - 1℃/min (1C)
- **TCO**: 45 - 50℃
- **Timer**: 105% nominal input
- **for ref. only**

**Service Life**: >500 cycles (IEC standard)

**Continuous Overcharge**: 17mA maximum current for 1 year. No conspicuous deformation and/or leakage

**Weight**: 4.2g

**Internal Resistance**: Average 120mΩ upon fully charged (Range 80 – 150mΩ) at 1000Hz

**Max. Charging Voltage**: 1.5V at 17mA charging

**Ambient Temperature Range**
- Standard Charge: 0 to 45℃
- Fast Charging: 10 to 45℃
- Discharge: -20 to 50℃
- Storage: -20 to 35℃

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**Low Rate Discharge**

**Charge: 17mA x 16hrs at 20℃**

**High Rate Discharge**

**Charge: 17mA x 16hrs at 20℃**

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