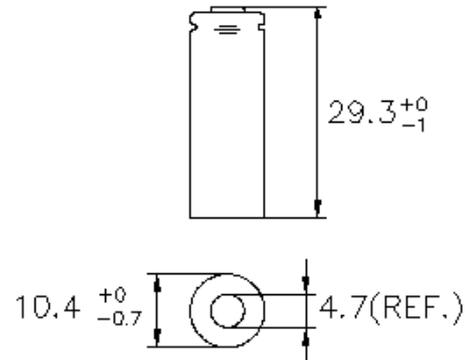


## DATA SHEET

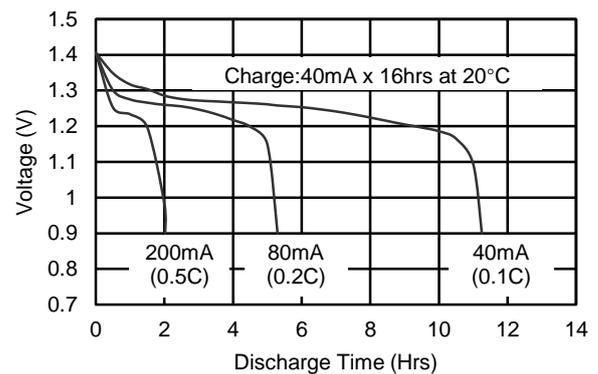
Model No.: GP40AAAM

<b>Type</b>	Rechargeable Nickel Metal Hydride Cylindrical Cell
<b>Nominal Dimension (with Sleeve)</b>	Diameter = 10.4mm Height = 29.3mm
<b>Applications</b>	Recommended discharge current 40 to 1200mA
<b>Nominal Voltage</b>	1.2V
<b>Capacity</b>	Rated: 400mAh Typical: 420mAh When discharged at 80mA to 1.0V at 20°C
<b>Charging Condition</b>	40mA for 16 hrs at 20°C
<b>Charge Retention</b>	80% of rated capacity after cell storage at 20°C for 12 months When discharged at 80mA to 1.0V at 20°C
<b>Fast Charge</b>	200mA to 400mA (0.5 to 1C) charge termination control recommended control parameters: -ΔV : 0-5mV DT/dt : 0.8°C/min (0.5 to 0.9C) 0.8 - 1°C/min (1C) TCO : 45 - 50°C Timer : 105% nominal input (for ref. only)
<b>Service Life</b>	>500 cycles (IEC61951-2(2017) 7.5.1.2)
<b>Continuous Overcharge</b>	40mA maximum current for 1 year. No conspicuous deformation and/or leakage
<b>Weight</b>	8.0g
<b>Internal Resistance</b>	Average 65mΩ upon fully charged (Max. 80mΩ) at 1000Hz
<b>Max. Charge Voltage</b>	1.5V at 40mA charging
<b>Ambient Temperature Range</b>	Standard charge: 0 to 45°C Fast Charge: 10 to 45°C Discharge: -20 to 50°C Storage: -20 to 35°C Storage(1week): -20 to 60°C

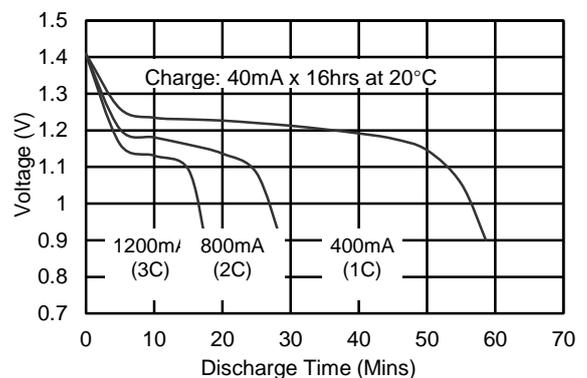


Unit: mm

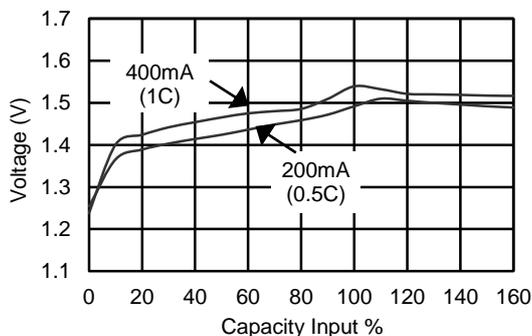
### Low Rate Discharge



### High Rate Discharge



### Fast Charge (Charge Control Required)



The above information is generally descriptive only and is not intended as guarantee or warranty. Cell and battery specifications are subject to change without notice. All descriptions or warranties are contained solely in specification sheets accompanying outside those described in this document.

MRS0219 rev.09