

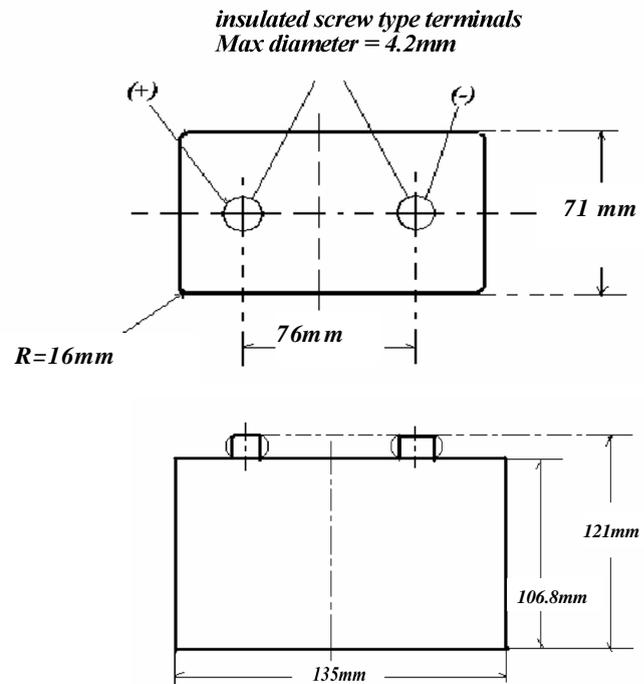


PRODUCT DATA SHEET

PRS9001 - 4R25-2 – Lantern Battery

DIMENTION DATA

Nominal Voltage: 6.0V
Chemical System: Primary Zinc Chloride
IEC No: 4R25-2
Appr. Weight: 1156 gm (40.78 oz)
Appr Volume: 1159.79 cm³ (70.72 in³)
Environmental: 0% mercury added
Shelf life: 2 years
Open Circuit Voltage(Initial): < 6.6 +0.3 V
After 12 months storage: = 6.0V
Short Circuit Current (A): = 16A (at 20 ± 2?)
Jacket: Plastic Shell



TYPICAL SERVICE OUTPUT

Application & Duty Cycle	Load (ohms)	Estimated Average Service					Approx. mAh Capacity to End-point voltage 3.6V
		At 20 ± 2? Cutoff Voltage					
		5.2V	4.8V	4.4V	4.0V	3.6V	
Flashlight (30 Min/Day)	8.2	300Min	680Min	1060Min	1300Min	1500Min	18400
Flashlight (30 Min/Hr.8Hrs/Day)	9.1	310Min	825Min	1240Min	1680Min	1700Min	15500
Warning Light (12 Hrs/Day)	110	160Hrs	240Hrs	320Hrs	385Hrs	425Hrs	19600
24Hrs/Day	15.6	640Min	1520Min	2050Min	2550Min	2940Min	15000

- * **High temperature leakage-proof test:** that is to keep the battery in a cabinet dryer for 48hours, at a temperature 45 ± 2°C and relative humidity 35%-65% , and then no deformation and no external electrolyte leakage shall be observed.
- * **Usual leakage-proof test:** at a temperature 20 ± 2°C and relative humidity 45%-75%, with a load of 15.6 ohm, consecutive discharge (24 hours/day) to the end-point voltage 1.4V, no electrolyte leakage shall be observed.
- * **Capacity Retention:** based on a storage temperature of 20-29°C, that is more than 95% after 6 months , more than 90% after 12months, and more than 80% after 24 months.