

## Datasheet D1P3404EC

### ALKALINE MANGANESE BATTERY LR20

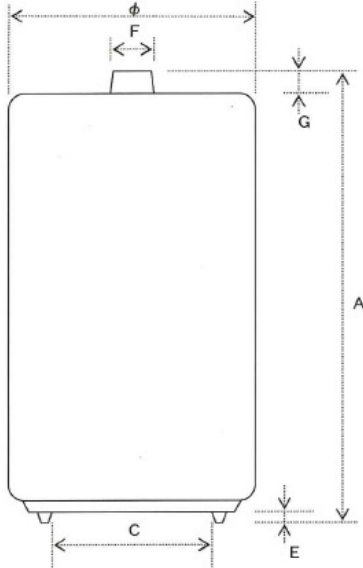


Specifications				
IEC		LR20		
Nominal Voltage		1.5V		
Standard capacity (20Ω)		15500mAh (at 20°C with end point voltage at 0.9V)		
Electric Characteristics				
Load resistance: 5Ω T°: 20°C		Initial	After 1 year	After 5 years
	Off-load Voltage	1.60V	1.58V	1.55V
	On-load Voltage	1.58V	1.55V	1.49V
	Short-circuit current	15.0A	11.0A	9.0A
Service out-put				
Discharge condition		Initial	After 1 year	After 5 years
2.2Ω 4min. x8 /day End of point=0.9V (Min)	JIS	Above 810	Above 725	Above 725
	Normal	<b>1460</b>	<b>1450</b>	<b>1390</b>
600mA 2hr./day End of point=0.9V (hr)	IEC, JIS	Above 11	Above 9.5	Above 9.5
	Normal	<b>16</b>	<b>15</b>	<b>14</b>
10Ω 4hr./day End of point=0.9V (hr)	IEC, JIS	Above 81	Above 72	Above 72
	Normal	<b>127</b>	<b>124</b>	<b>110</b>
2.2Ω 1hr./day End of point=0.8V (hr)	IEC, JIS	Above 15	Above 13	Above 13
	Normal	<b>25</b>	<b>24</b>	<b>21</b>
1.5Ω Intermittent End of point=0.9V (hr)	IEC, JIS	Above 450	Above 405	Above 405
	Normal	<b>880</b>	<b>790</b>	<b>710</b>

**Important information:**

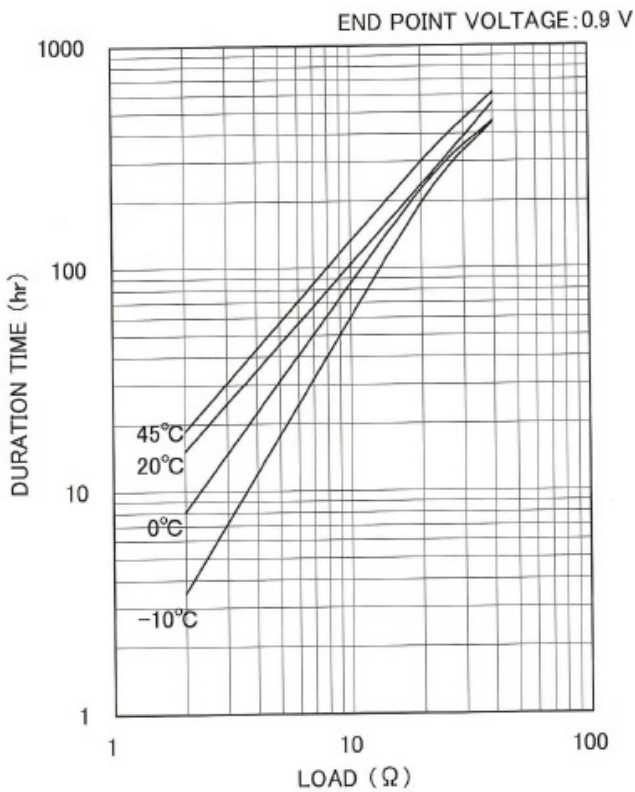
This datasheet contains typical information specific to products manufactured at the time of its publication and does not constitute a guarantee or warranty with respect to any cells and batteries. Cell/Battery performance and service life depend on the operating temperature, storage conditions, cut-off voltage and load applied in a specific application. It is the responsibility of each user to ensure that each application is adequately designed in terms of safety and usage conditions and is in conformance with existing standards and requirements. All specifications are subject to change without notice.

## Dimensions



A	Overall height	61.5 max (59.5 min.)
C	Outer diameter of the negative contact area	18.0 min.
E	Recess of negative contact	1.0 max.
F	Diameter of the positive contact	9.5 max. (7.8 min.)
G	Height of the projected flat contact from the next higher part	1.5 min.
Ø	Diameter	34.2 max. 32.3 min.

## Service life at various temperatures



## Shelf Life

