

Date : 28-oct-03

**PRODUCT DATA SHEET**  
Battery

PRODUCT :	LR20
REFERENCE :	6AM6
SUPPLIER :	SONY
MANUFACTURING SITE ADDRESS :	SONY - Japan
PACKER CODE :	4901660103161

APPLICABLE REGULATIONS:	IEC 86-1 / IEC 86-2
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**1. LINE-UP AND MATERIALS**

Product			
	Standard	Specifications	Tolerance
Designation		Primary Battery	
Type		Category 1 : Round batteries	
		Alkaline manganese dioxide	
Electrochemical system & symbol			
Dimension Ø (mm)		33.25 ± 0.95mm	
Dimension A (mm)		< 61.5 mm	
Dimension B (mm)		> 59.5 mm	
Dimension C (mm)		> 18.0 mm	
Dimension D (mm)			
Dimension E (mm)		< 1 mm	
Dimension F (mm)		< 9.5 mm	
Dimension G (mm)		> 1.5 mm	
Dimension ØP (mm)		< 1 mm	
Weight (g)		135	
Anode (nature)		Zinc	
Cathode (nature)		Manganese Dioxide + Graphite	
Electrolyte (nature)		Potassium Hydroxide	
Separators (nature)		Paper	
Body (nature)		Steel	
Contacts (nature)		Nickel-plated	
Label (nature)		PET	
Hg max (ppm)		< 5 ppm	
Pb max (ppm)		< 0.4 %	
Cd max (ppm)		< 5 ppm	

Sales packaging			
	Standard	Specifications	Tolerance
Dimensions L x H x P (en mm) / L x H x D (in mm)		117 x 83 x 34	
Nature of each element		Coated Board	
Weight of each element (g)		Blister Board : 9.9g	
Surfacic weight of each element (g/m <sup>2</sup> )		Blister Board :350g/m <sup>2</sup>	
Printing type		4 Color	
Cr VI + Pb + Cd + Hg max (ppm)		< 100 ppm	

**2. TECHNICAL CHARACTERISTICS**

	Standard	Specifications	Tolerance
Use by period (month)		60	
Nominal voltage (V)		1.5	
End voltage (V)		0.6	
Internal resistance (Ω)		0.09	
Power (W)		3.5	
Capacity (A/h)		15000mAh	
Capacity depreciation before 1st use (%/year)		5	
Temperature strength (°C)		between -10 and +50	
Sealing system		Plastic seal in PP	

	Standard	Resistance (Ω)	Nominal Duration (h)	Tolerance
Application "Radio"		10 Ω	119h	> 95 h (4 h / day)
Application "Recorder"		3.9 Ω	40h	> 30 h (1 h / day)
Application "Lighting"		2.2 Ω	22.8h	>16.5h (4mn/8h/d)
Application "Toy" or "Motor"		2.2 Ω	24.5h	> 17 h (1 h / day)
Application "Pulse test"				
Application "Continuous"		2 Ω	17.7h	12.5h
Application "Calculator"				