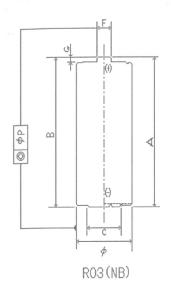


PRODUCT NAME REFERENCE				P	PRODUCT SPECIFICATIONS						
				R	R03TYPE CARBON ZINC BATTERY JIS C 8501, IEC 60086-1, 60086-2						
				JI							
1. 2. 3.	V A	T E OMINA OLTAG VERAG EIGH RFORMAN	CE C	O.C.V. an of 9(testin	d resistan g method	ice to le	akage s	should meet		t of 9(testing 1 after the te	est
a	ble-1	Test condition				J		C 8501	MBI SPEC		
		Temp.	load	Discha	End	Unit	Initial	20℃	Initial	20℃	
		& Humd.	(Ω)	-rging time /day	point (V)		13000	After 12 months & Expiry(3)		After 12 months	After 24 months
O.C.V		20±2°C 65±20%	1 1)0	s (c=he immenos	ingt L de infent att	V	Max Min	1.725 1.5	1.54+0.185	1.53+0.195	1.52+0.205
		(RH)	3.6	15/60s cont.(1)	0.9	cycle	120	96	160	143	127
211	ration		5.1	4 min × 8times ⁽²⁾	0.9	min	45	36	74	67	62
Duration			10	1 h	0.9	h	1.4	1.1	2.4	2.1	1.9
			75	4 h	0.9	h	20	16	28.5	25.5	23.5
istance to Leakage	over discharge		CCV drops for the first time of the specified dimension. below 0.6V.				ce of any ba ension.	any battery nor deformation n.			
Resistance	under high temperature	45±2 °C below 70% (RH)	After storage for 30 days.				There shall be neither evidence of electrolyte leakage on the surface of any battery nor deformation of the specified dimension.				
5. 6. 7.	In: R∈ Dir	(2) The cyc	cle of 4min code is the e of batter It sh jack As (n of beginnin e period in w ries shall hav nould be r ket, and b per attach Cap, (-	g at hourly / shich batteries e life of 2 year more than etween te ned drawin) Base	56min off, s satisfy du ars after m 10M Ω erminals ngs.	intervals for uration. anufacture (500V/E which i	OC) both bei	h specified loa ween term cted electr	iinal and out ically.	
3.	Ар	There should be no rust or deformation, which will cause hindrance on use. There should be no stain, scratch and deformation which will cause hindrance									
on use. Date of stipulation: Date			ate of revis	sion:		Sti	pulated	Checked	Describe		
JUNE,25,1998				100		10	1/2	Dal to	fragis		

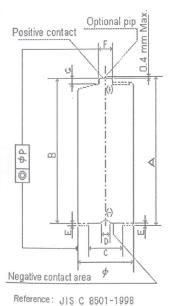
Matsushita Battery Industrial Co., Ltd. Matsushita Electric Industrial Co., Ltd.

SPECIFICAT PRODUCT N REFERENCE	IAME	PRODUCT SPECIFICATIONS R03TYPE CARBON ZINC BATTERY JIS C 8501, IEC 60086-1, 60086-2					
9. Testing meth	od						
9.1 Storage con		The temperature of 20°C storage shall be $20\pm2^{\circ}\text{C}$ and the relative humidity shall be $65\pm20\%$. However, during 3 months that it is short periods only, it may be $20\pm5^{\circ}\text{C}$.					
9.2 Environmen 9.3 Testing cond	,	If not specified, the temperature is $20\pm15^{\circ}\mathrm{C}$ and the relative Humidity is $65\pm20\%$ as normal environmental condition of JIS Z 8703. Refer to Table-2.					
Table - 2							
Service Life	drops for the firm 1)Commencem 2)Discharging r 3)Calculation of	e discharged as specified condition until the voltage on load est time below the specified end point. The nent :after storing more than 8 hours under the condition of Table-1. Table-1 If average service life. Itteries and calculate the average.					
Open Circuit	After storing mo	ore than 8 hours, measure with a voltmeter mentioned below under					
Voltage	The accuracy of	e condition of Table-1. The accuracy of voltmeter shall be within 0.25% of the nominal voltage. The resistance shall be with minimum $1M\Omega$.					
Resistance to	Test under the	condition of Table-1.					
Leakage at Over Discharge							
Resistance to	Test under the	condition of Table-1.					
Leakage at		, contained table in					
High Temperature		15 1 10 0 4000 1					
Resistance Equipment shad accuracy.		all have rated voltage 500V as specified JIS C 1302, or has more					
Dimensions	Measure with a minimum scale accuracy.	a caliper which has under 200mm measuring range and 0.05mm e value as specified JIS B 7507 or an instrument which has more					
Terminal & Inspect by visual Appearance		ual.					
				ν.			
Date of stipulation:	Date of	revision:	stipulated	Checked	Described		
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SPECIFICATION NAME	PRODUCT SPECIFICATIONS
PRODUCT NAME	R03TYPE CARBON ZINC BATTERY
REFERENCE	JIS C 8501, IEC 60086-1, 60086-2



		unit : mm
Α	44.5	(43.3)
В	_	43.3
С	_	4.3
D	_	_
E	0.5	_
F	3.8	(2.0)
G	_	0.8
φ	10.5	9.5
φΡ	0.4	_
pip	0.4	_



Note 1. Numerical value in parentheses; reference

2. The symbols of dimensions are as following.

A = Overall height

B = Distance between (+) and (-) terminals, excluding

C = pip.

D = Outer diameter of (-) flat contact surface

Diameter of concave part of central (-) terminal.

E = This model has none of concave part. Recess of (-) flat contact surface from

outside cover.

F = This model has the projected (-) contact.

Diameter of the specified projection of (+)

G = terminal.

 ϕ = Projected height of (+) contact, excluding pip.

 $_{\phi}P$ = Diameter of the battery

Difference in coaxiality between (+) contact

and cylindrical corner side.

Pin = Optional projection on (+) contact.

Date of stipulation:	Date of revision	Stipulated	Checked	Described
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