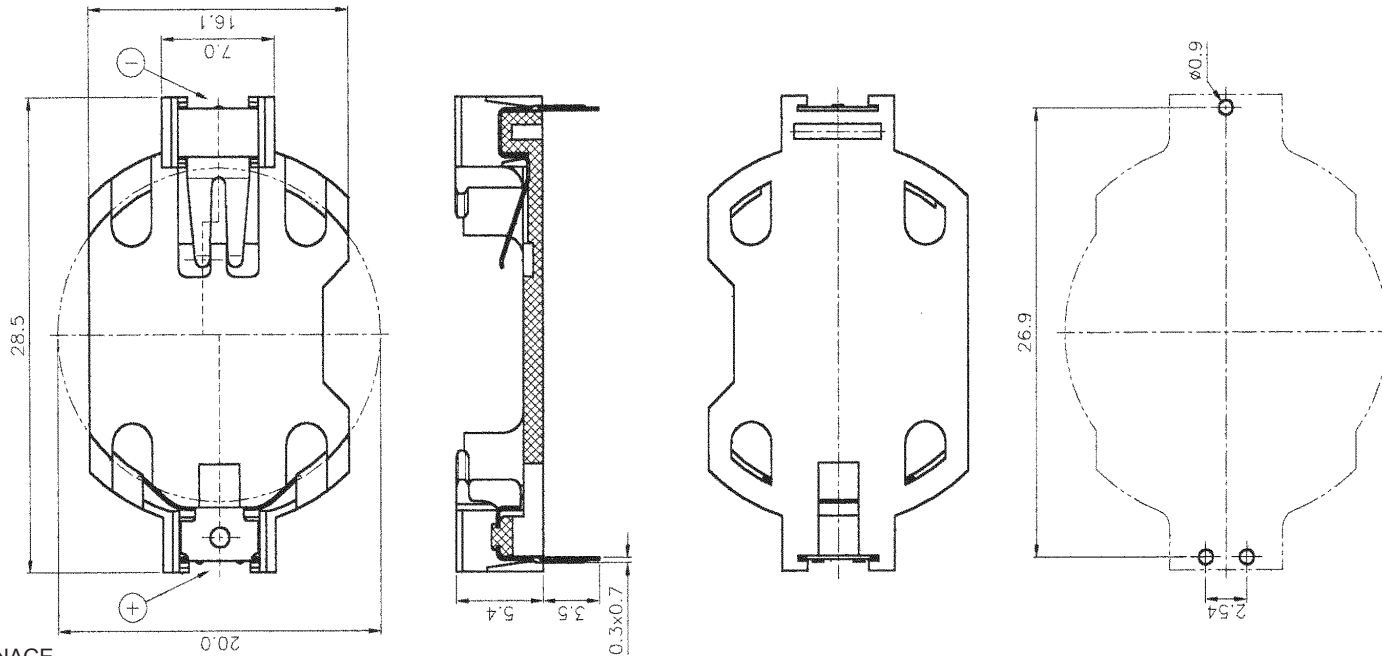


Unless other specified, tolerance is  $\pm 0.2\text{mm}$



**ELECTRICAL:**

VOLTAGE RATING: DC 3V, 120 mA  
 INTER-CONTACT RESISTANCE:  
 100mΩ Max. at 1KHz w/LOW DRAINAGE  
 (100mA MAX.)  
 INSULATION RESISTANCE: 100MΩ Min. at 500VDC  
 VOLTAGE DURABILITY: 600VDC FOR 1 MIN.

**CONTACTS:**

NEGATIVE CONTACT: STAINLESS STEEL 301 , TIN PLATED  
 POSITIVE CONTACT: STAINLESS STEEL 301, TIN PLATED

**MATERIAL:**

HOUSING: PA6T ( Modified Polyamide 6T) or PBT

**PROCESSING TEMPERATURE**

PBT - 235 C for 3 SECONDS

PA6T - 260 C for 10 SECONDS

**MECHANICAL:**

INSERTION FORCE: 0.3Kg~1.0Kg

SPRING PRESSURE: 50G Min.

TERMINAL STRENGTH: ELECTRICAL AND MECHANICAL PERFORMANCE

- SPECIFICATIONS SHOULD STILL BE SATISFIED WITHOUT TERMINAL
- CRACKING OR EXCESSIVE PLAY, WITH A STATIC LOAD OF 1Kg
- APPLIED TO THE TERMINALS IN ANY DIRECTION.
- HOWEVER THE TERMINAL MAY BEND

**HOW TO ORDER:**

**B** **H** **0** **0** - **4** **1** **0** **0** - **X** **0** **X** - **Z**

**BATTERY DIAMETER** 1 - 20mm  
**HOUSING MATERIAL** 1 - PBT, 2 - PA6T  
**PACKAGING** 0 - Tray, 1 - Tape & Reel  
**RoHS COMPLIANT**

**STYLE:**

4 - Horizontal Semi Body Thru Hole  
 (Slim Style)

Rev	Drawn	Checked	Approved	Date
0	D.H.	S.M.	S.M.	07/13/04
A	A.M.	S.M.	S.M.	05/01/05
B	B.S.	S.M.	S.M.	2/2/07

**SMP TECHNOLOGY, INC.**

Battery Holder, Horizontal, Thru Hole Mounting For 20.0mm Diameter Battery, Slim Style

SCALE:n/a

TOL. DEC. .X +/- 0.2 .XX +/- .XXX +/- ANGLE +/- UNIT: mm

P/N: BH00-4100-X0X-Z

## SMP Technology Inc. Declaration of Compliance with RoHS Directive

SMP TECHNOLOGY INC. DECLARES THAT THE PRODUCT(S) AS PROVIDED TO CUSTOMER IS/ARE COMPLIANT WITH DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT, AND OF THE COUNCIL OF 27 JANUARY 2003 REGARDING THE RESTRICTION OF HAZARDOUS SUBSTANCES, DIRECTIVE 2002/96/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 27 JANUARY 2003 ON WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT AND/OR OTHER SIMILAR AND/OR ENVIRONMENTAL AND/OR MATERIALS DECLARATION LAWS, TREATIES AND REGULATIONS ("MATERIALS DECLARATION LAWS").

**RoHS Compliant** is defined as containing less than .1% by weight at the homogenous material level for Hexavalent Chromium (Cr VI); Lead (Pb); Mercury (Hg) Polybrominated Diphenyl Ethers (PBDE) ; Polybrominated Biphenyls (PBB); and less than .01% for Cadmium (Cd).

RoHS Compliant:                      Yes

### SMP Technology Inc. Declaration of Reflow Temperature Rating; Moisture Sensitivity Level and Date Compliant (if applicable)

SMP Technology Inc, declares the following additional information as true and accurate for parts being declared.

Declared Max. Reflow Temperature Rating:  
PBT Insulator – 235 C for 3 Seconds  
PA6T Insulator – 260 C for 10 Seconds

Declared Moisture Sensitivity Level (MSL): 4

Certifier's Name: Steve Maliesky

Date: 05/15/05

## TEST RESULTS

Test Item	Unit	Method	MDL	Results			
				No.1	No.2	No.3	No.4
Chromium VI ( Cr+6)	ppm	As per US EPA 7196A and USEPA 3060A	2	N.D.	N.D.		
Cadmium (Cd)	ppm	ICP-AES after as per EN 1122,method B:2001 or other acid digestion	2	N.D.	N.D.		
Mercury (Hg)	ppm	ICP-AES after as per US EPA 3052 or other acid digestion	2	N.D.	N.D.		
Lead ( Pb)	ppm	ICP-AES after as per US EPA 3052B or other acid digestion	2	N.D.	N.D.		
PBBs(Polybrominatedbiphenyls)CAS NO:67774-32-7	%	With Reference to USEPA3540 or USEPA3550 Analysis was performed by HPLC/DAD, LC/MS or GC/MS ( prohibited by 2002/95/EC (RoHS),83/264/EEC and 76/769/EEC)	0.0005	N.D.			
PBBEs(PBDEs)(Polybrominated biphenyl ethers	%	With reference to USEPA3540 or USEPA3550.Analysis was performed by HPLC/DAD, LC/MS or GC/MS.(prohibited by 2002/95/EC ( RoHS) 82/264/ EEC and 76/769/EEC)	0.0005	N.D.			

N.D. = Not Detected ( <MDL)

ppm = mg/kg

MDL= Method Detection Limit

“---“ = Not Applicable