



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

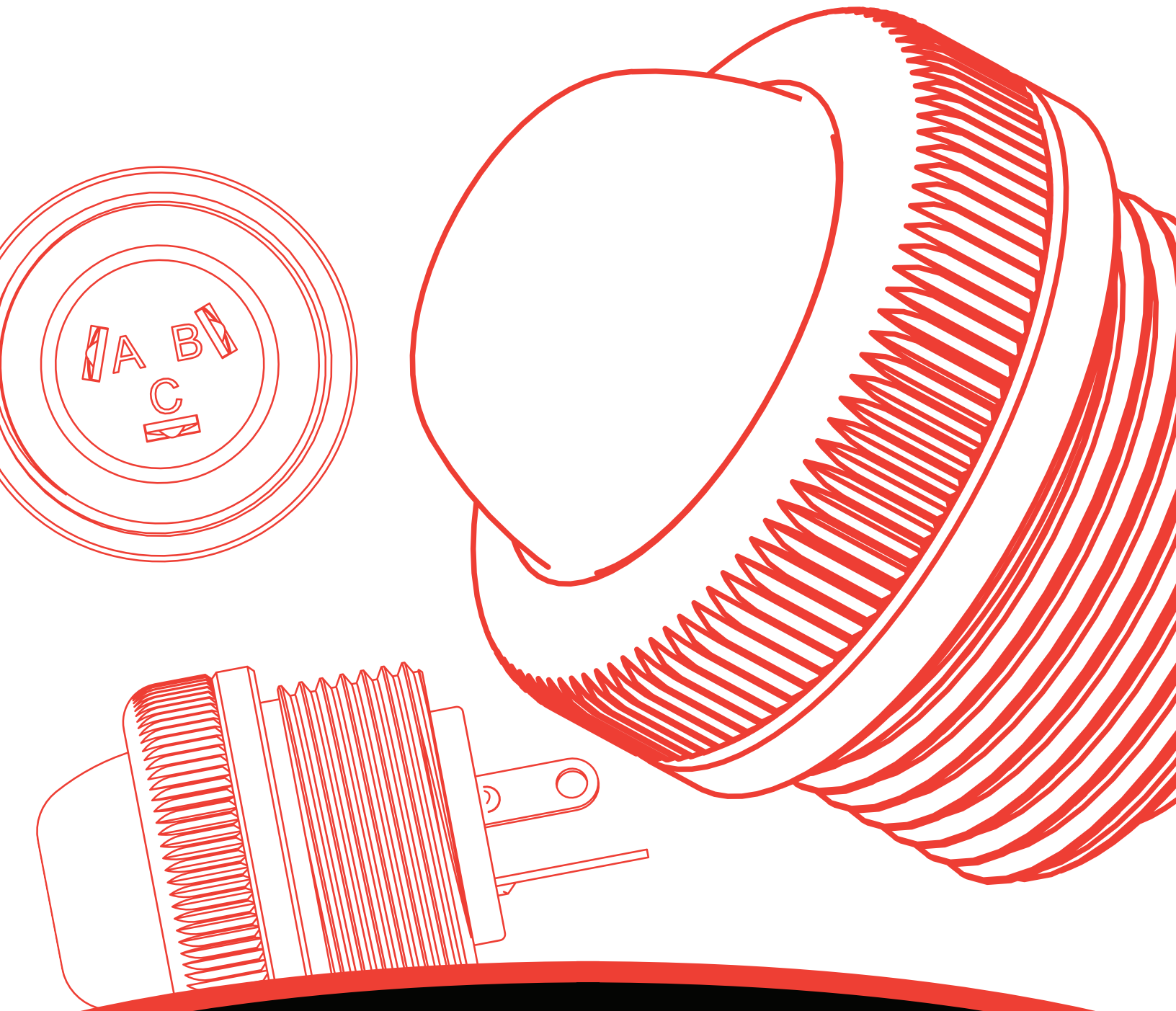
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



SWITCHCRAFT®

A H E I C O C O M P A N Y



SEALED BUTTON SWITCH

NPB | 606

SEALED BUTTON SWITCH

NPB | 606

FEATURES & BENEFITS

- Rated for up to IP68 NEMA 250
- Rated for 250mA, 30W max, AC non-inductive load
- 913S can be wired for 1-A, 1-B, or 1-C (break before make)
- 913DS can be wired for 1-A, 1-B, or 1-D (make before break)
- RoHS Compliant

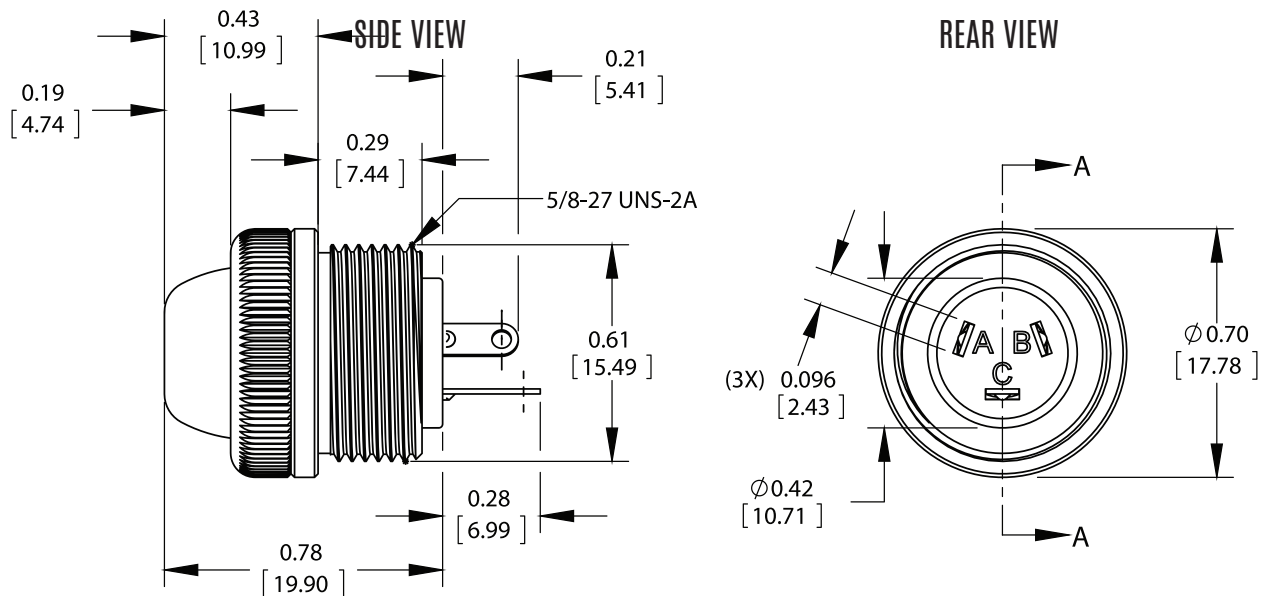
APPLICATIONS

- Communications equipment
- Medical Equipment
- Instrumentation



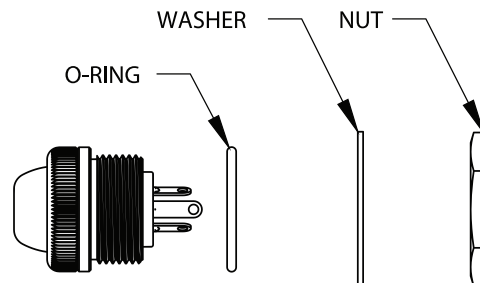
SEALED BUTTON SWITCH

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NOTES:

1. MOUNTING HOLE $\varnothing 0.615+0.010/-0.000$ [$\varnothing 16.00+0.25/-0.00$]
2. MAX PANEL THICKNESS: ≤ 0.120 [3.00]
3. HARDWARE SHIPPED UNASSEMBLED
4. THIS PART IS RoHS COMPLIANT



PART NUMBER	SCHEMATIC	CIRCUIT
913DS 913S		1-A
913DS 913S		1-B
913S		1-C
913DS		1-D

UNITS ARE LISTED IN INCHES [mm]. ALL DIMENSIONS ARE REFERENCE ONLY.

SEALED BUTTON SWITCH

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SPECIFICATIONS

MECHANICAL SPECIFICATIONS

Life:	20,000 actuation cycles with 48VDC, 0.25amps (50 mΩ max) 20,000 actuation cycles with 125VAC, 0.25amps (50 mΩ max)
Conductor Sizes:	16-26 AWG
Operating Forces:	Actuation Force: 2lb. minimum Button Travel: 0.125"

ELECTRICAL SPECIFICATIONS

Voltage Rating:	48 VDC 125 VAC RMS
Current Rating:	0.25amps with 16-26 AWG wiring
Insulation Resistance:	1000 MΩ minimum
Contact Resistance:	20 mΩ maximum initial
Dielectric Withstanding Voltage:	500 VAC (RMS)
Capacitance:	< 1 pF between contacts, typical < 1 pF between contacts and housing, typical

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature:	-20C to +70C
Storage Temperature:	-55C to +85C
Moisture Resistance:	Mil-Std 202G Method 106G
Thermal Shock:	Mil-Std 202G Method 107G
Salt Atmosphere (Corrosion):	Mil-Std 202G Method 101E
Weathertight Ratings:	IP68, NEMA 250

MATERIAL SPECIFICATIONS

Body and Trim:	Copper Alloy, Nickel Plated
Pushbutton:	Thermoplastic, Black
Button Seal:	Thermoplastic Rubber, Black
Insulators:	Rigid Plastic
Springs:	Integral Contacts, Plated
Solder Terminals:	Copper Alloy, Silver Plated
Mounting Nut:	Copper Alloy, Nickel Plated
Mounting Washer:	Steel, Nickel Plated