# imall

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

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# General Specifications

#### **Electrical Capacity (Resistive Load)**

Logic Level (gold): 0.4VA maximum @ 28V AC/DC maximum (Applicable Range 0.1mA ~ 0.1A @ 20mV ~ 28V) Note: Find additional explanation of operating range in Supplement section.

#### **Other Ratinas**

80 milliohms maximum
500 megohms minimum @ 500V DC
500V AC minimum for 1 minute minimum
100,000 operations minimum for momentary;
100,000 operations minimum
1.8N
Pretravel .051" (1.3mm); Overtravel .020" (0.5mm); Total Travel .071" (1.8mm)

#### **Materials & Finishes**

Housing:	Glass fiber reinforced polyamide
Base:	Glass fiber reinforced polyamide
Movable Contact:	Phosphor bronze with gold plating
Switch Terminals: Lamp Terminals:	Phosphor bronze with gold plating Steel with silver plating

#### **Environmental Data**

Operating Temperature	Range:	–25°C through +50°C (–13°F through +122°F)
Hur	midity:	90 ~ 95% humidity for 240 hours @ 40°C (104°F)
Vib	ration:	10 ~ 55Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range & returning
		in 1 minute; 3 right angled directions for 2 hours
:	Shock:	50G (490m/s <sup>2</sup> ) acceleration (tested in 6 right angled directions, with 5 shocks in each direction
Installation		

15.0N (3.37 lbf) maximum downward force on cap

### **Cap Installation Force:**

**PCB** Processing

Soldering: Wave Soldering: See Profile A in Supplement section. Manual Soldering: See Profile B in Supplement section. These devices are not process sealed. Hand clean locally using alcohol based solution. Cleaning:

#### **Standards & Certifications**

The HB2 pushbuttons have not been tested for UL recognition or CSA certification. These switches are designed for use in a low-voltage, low-current, logic-level circuit. When used as intended in a logic-level circuit, the results do not produce hazardous energy.

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Touch

Rotaries



# Distinctive Characteristics

Quiet actuation combined with crisp tactile feedback suited for broadcast equipment.

Full face illumination with choice of red/green or red/yellow bicolor LEDs, as well as simultaneous bicolor illumination which produces amber.

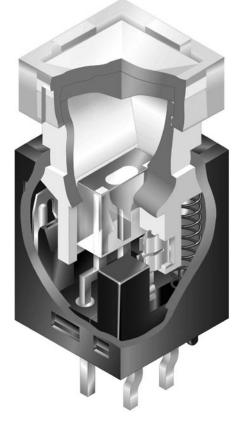
Option of legends on caps or film insert.

Compact design with short body .669" (17.0mm) from PCB to top of cap and .295" (7.5mm) square cap.

Sliding Twin Crossbar (STC) mechanism provides unequalled logic-level reliability, contact stability, smooth positive detent actuation, and long life.

Crimped power terminals ensure secure PCB mounting and prevent dislodging during soldering.

Suitable applications include broadcast, telecommunication, and medical equipment, as well as measuring instruments, etc.



Actual Size



Tactiles

Toggles

Rockers

Keylocks Programmable Illuminated PB Pushbuttons

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