



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

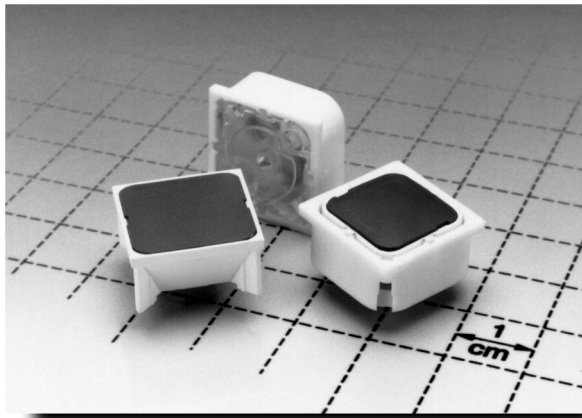
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

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

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



RF 19 Series Short Travel Tactile Switches



Features/Benefits

- Long life—1,000,000 cycles
- Illumination available
- Highly reliable contact design
- Fully illuminated with corner LED indicator

Typical Applications

- Medical equipment
- Instrumentation equipment
- Machine process control

How To Order

To order, select switch/housing part number. Other illumination options available, consult Customer Service Center.

Specifications

CONTACT RATING: 0.01 - 100 mA @ 0.02 - 42 V AC/DC (Au).
0.1 - 250 mA @ 3 - 50 V AC/DC (Ag).
RATED POWER: 2 W AC/DC (Au), 12.5 W AC/DC (Ag)
resistive load respectively.
CONTACT RESISTANCE: \leq 100 milliohms when new.
BOUNCE: \leq 5 ms.
CONTACT SYSTEM: Snap-action contact.
CONTACT ARRANGEMENT: SPST NO.
FIXING: By soldering.
SOLDERING TEMPERATURE: 250°C.
SOLDERING TIME: 2.5 sec. max.
SWITCHING TRAVEL: 0.5 + 0.2 mm.
OPERATING LIFE: 1,000,000 cycles min.

OPERATING FORCE: 2 - 3 N max.
AMBIENT OPERATING TEMPERATURE: -25°C to +70°C;
-13°F to +158°F.
AMBIENT STORAGE TEMPERATURE: -40°C to +80°C;
-40°F to +176°F.
PACKAGING: Tube packaging, 25 switches.

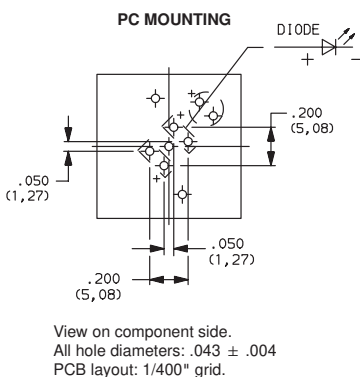
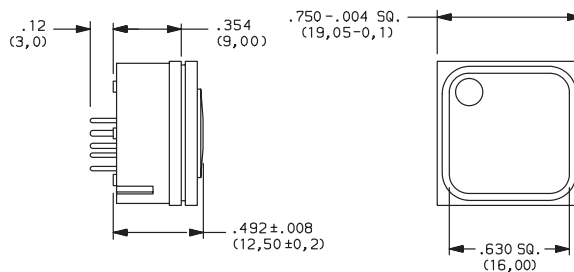
Materials

SWITCH HOUSING: PBTB.
TRANSPARENT ACTUATOR: PC.
COLORED ACTUATOR: Plexiglass HW55.
CONTACT MATERIAL: Au or Ag.
TERMINALS: Contact spring: Tin-plated. Stationary contact:
Au version tin-plated, Ag version silver-plated.
FLAMMABILITY OF PLASTIC MATERIALS: UL 94 HB.

RF 19 Illuminated Short Travel Tactile Switches



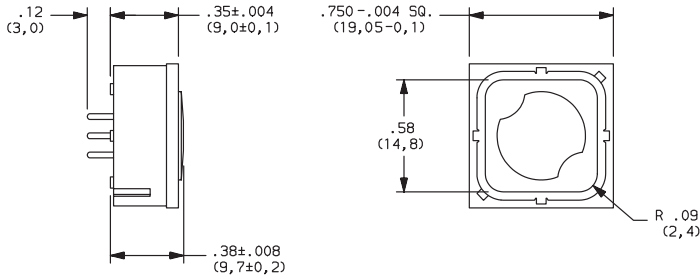
3.14002.5130000
SPST N.O.



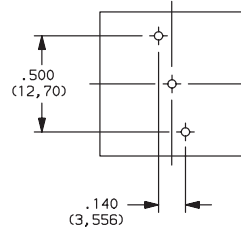
SWITCH & HOUSING				ILLUMINATION		SCHEMATIC
PART NUMBER	FUNCTION	CONTACT MATERIAL	KEY PAD COLOR	STANDARD LED	SPOT LED COLOR	
3.14002.5130000	SPST N.O.	Au	Red	Fully illuminated (2 LEDs) & spot illuminated (1 LED)	Green	
3.14002.5320000			Green		Red	
3.14002.5530000			Yellow		Green	
3.14002.5830000			Blue		Green	
3.14002.5230000		Ag	Red		Green	
3.14002.5420000			Green		Red	
3.14002.5630000			Yellow		Green	
3.14002.5880000			Blue		Green	

Tactile

RF 19 Non-Illuminated Short Travel Tactile Switches



PC MOUNTING

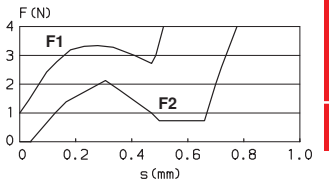


View on component side.
All hole diameters: $.043 \pm .004$
PCB layout: 1/400" grid.



3.14001.0010000
SPST N.O.

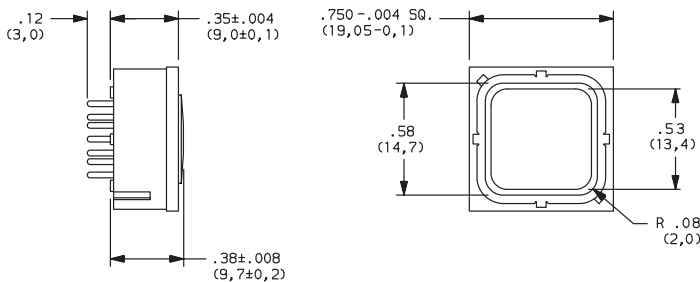
FORCE/TRAVEL DIAGRAM



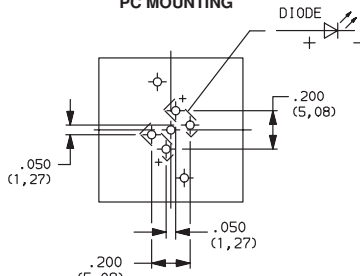
F1 = Max. operating force
F2 = Force at contact
F2 is max. 55% of F1.

SWITCH & HOUSING				SCHEMATIC
PART NUMBER	FUNCTION	CONTACT MATERIAL	ACTUATOR COLOR	
3.14001.0010000	SPST N.O.	Au	Opaque White	
3.14001.0060000		Ag		

RF 19 Illuminated Short Travel Tactile Switches



PC MOUNTING



View on component side.
All hole diameters: $.043 \pm .004$
PCB layout: 1/400" grid.



3.14002.0110000
SPST N.O.

SWITCH & HOUSING				ILLUMINATION		SCHEMATIC
PART NUMBER	FUNCTION	CONTACT MATERIAL	ACTUATOR COLOR	STANDARD LED	LED COLOR	
3.14002.0110000	SPST N.O.	Au	Red	2 LEDs Fully illuminated	Red	
3.14002.0120000			Green		Green	
3.14002.0130000			Yellow		Yellow	
3.14002.0210000		Ag	Red		Red	
3.14002.0220000			Green		Green	
3.14002.0230000			Yellow		Yellow	



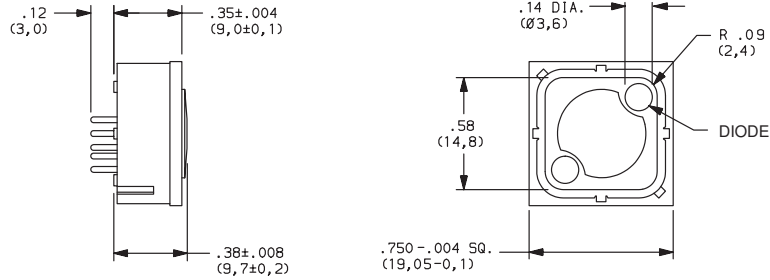
RF 19 Series Short Travel Tactile Switches



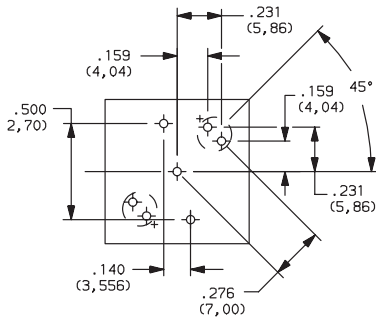
RF 19 Illuminated Short Travel Tactile Switches



3.14001.0300000
SPST N.O.

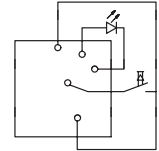


PC MOUNTING



View on component side.
All hole diameters: $.043 \pm .004$
PCB layout: 1/400" grid.
The LED may be positioned on either
the left-hand (std.) or right-hand side.

SWITCH & HOUSING				ILLUMINATION		SCHEMATIC
PART NUMBER	FUNCTION	CONTACT MATERIAL	ACTUATOR COLOR	STANDARD LED	SPOT LED COLOR	
3.14001.0300000	SPST N.O.	Au	Opaque White	1 LED spot illuminated	Blue	
3.14001.0310000					Red	
3.14001.0320000					Green	
3.14001.0330000					Yellow	
3.14001.0400000		Blue				
3.14001.0410000		Red				
3.14001.0420000		Green				
3.14001.0430000		Yellow				



Tactile