## 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

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



### Series FS

Toggles

Rockers

Keylocks Programmable Illuminated PB Pushbuttons

Rotaries

Slides H

**Factiles** 

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Touch

Indicators

Supplement Accessories

# General Specifications

For high frequency (DC through 1GHz): Isolation 40dB minimum at 1GHz. Insertion loss 0.5dB maximum at 1GHz.

Impedance 75 ohms

Innovative alternative to relay products

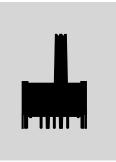
Highly reliable, self-cleaning twin contact mechanism with gold plating

Long total travel of .138" (3.5mm) for highly visible actuator position

Distinct audible and tactile feedback during actuation

Suited to high frequency applications (90MHz to 1GHz) such as CATV and communication equipment

Actual Size with Tall Actuator



## Distinctive Characteristics

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

Logic Level:

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.

#### **RF Ratings**

Impedance:	75 ohms
Insertion Loss:	0.5dB maximum @ 1GHz
Isolation:	40dB minimum @ 1GHz

#### Other Ratings

Contact Resistance:200 milliohms maximumInsulation Resistance:250 megohms minimum @ 500V DCDielectric Strength:500V AC minimum for 1 minute minimumMechanical Life:1,000 operations minimumElectrical Life:1,000 operations minimumContact Timing:Nonshorting (break-before-make)Total Travel:.138" (3.5mm)

**Environmental Data** 

Operating Temp Range:<br/>Humidity:<br/>Vibration:-30°C through +85°C (-22°F through +185°F)<br/>90 ~ 95% humidity for 240 hours @ 40°C (104°F)<br/>10 ~ 55Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range<br/>& returning in 5 minutes; 3 right angled directions for 2 hours

Shock:

Cleaning:

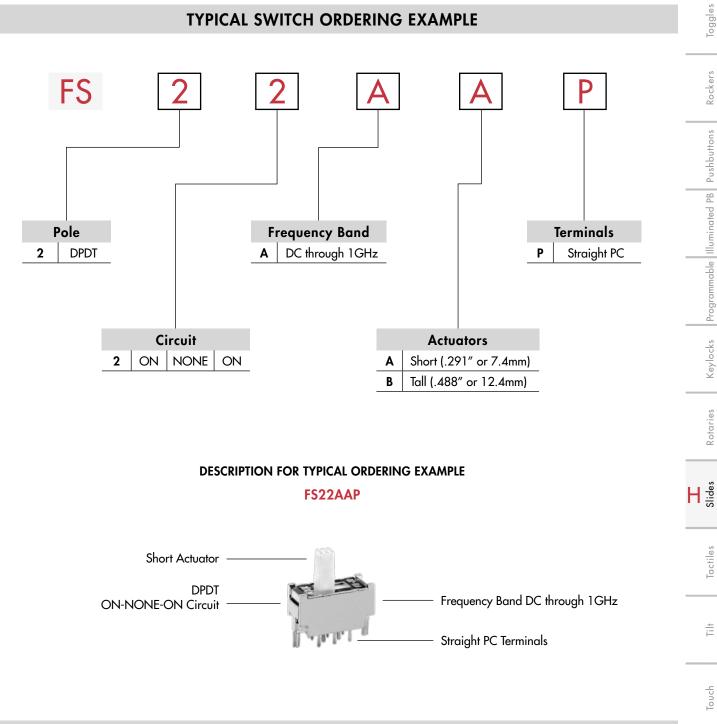
#### Installation

Soldering Time & Temp:

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

50G (490m/s<sup>2</sup>) acceleration (tested in 6 right angled directions, with 5 shocks in each direction)

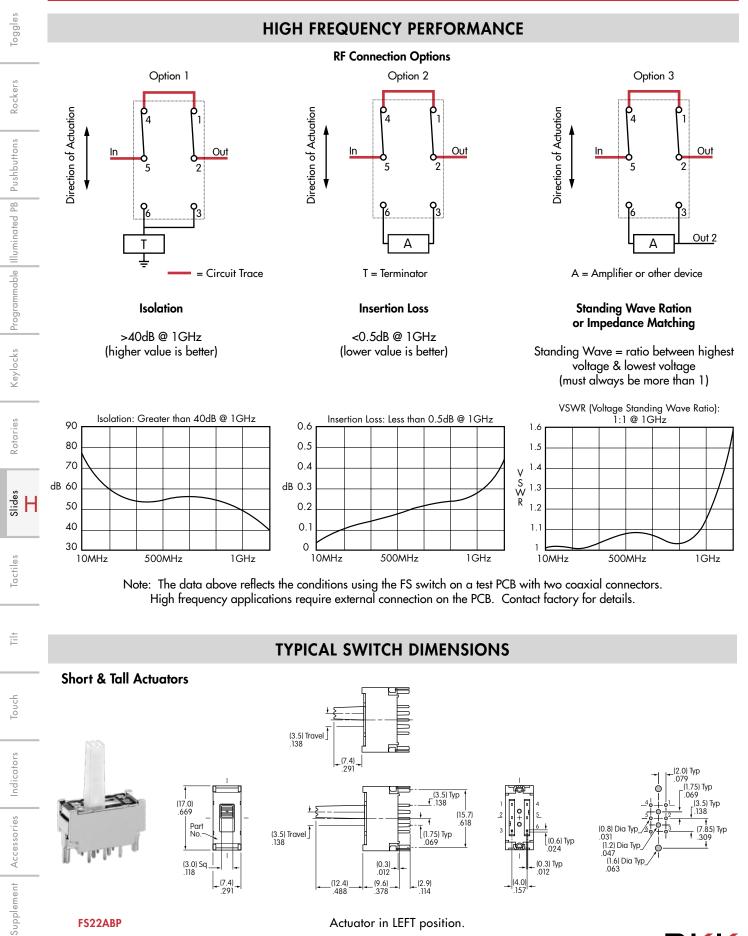
## Series FS



	POLE & CIRCUIT								
		Slide Position			Connected Terminals		nals	Throw & Schematics	
Pole	Model	Left	Center	Right	Left	Center	Right	Note: Terminal numbers are not actually on the switch.	
DP	F\$22	ON	NONE	ON	2-1 5-4	NA	2-3 5-6	DPDT 2 (COM) 5 • • 3 4 • • 6	



### Series FS



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