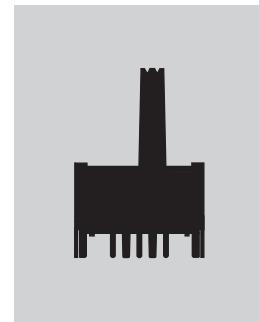


General Specifications

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

Impedance 75 ohms

Actual Size
with Tall Actuator



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

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 maximum
Insulation Resistance: 250 megohms minimum @ 500V DC
Dielectric Strength: 500V AC minimum for 1 minute minimum
Mechanical Life: 1,000 operations minimum
Electrical Life: 1,000 operations minimum
Contact Timing: Nonshorting (break-before-make)
Total Travel: .138" (3.5mm)

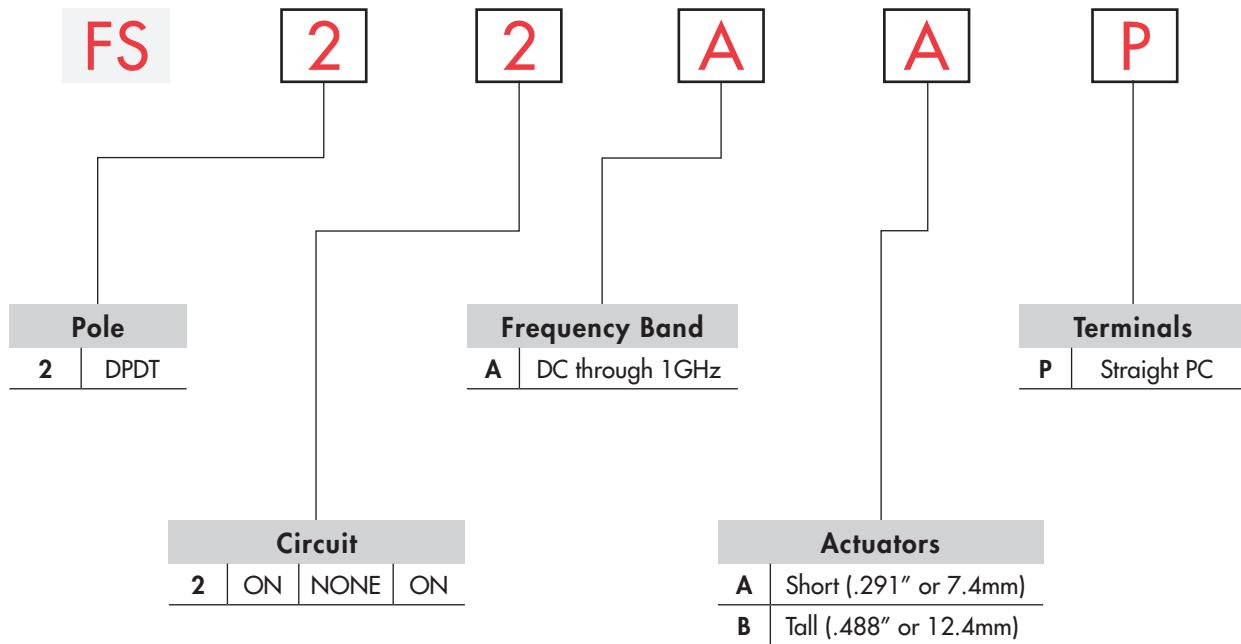
Environmental Data

Operating Temp Range: -30°C through +85°C (-22°F through +185°F)
Humidity: 90 ~ 95% humidity for 240 hours @ 40°C (104°F)
Vibration: 10 ~ 55Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range & returning in 5 minutes; 3 right angled directions for 2 hours
Shock: 50G (490m/s²) acceleration (tested in 6 right angled directions, with 5 shocks in each direction)

Installation

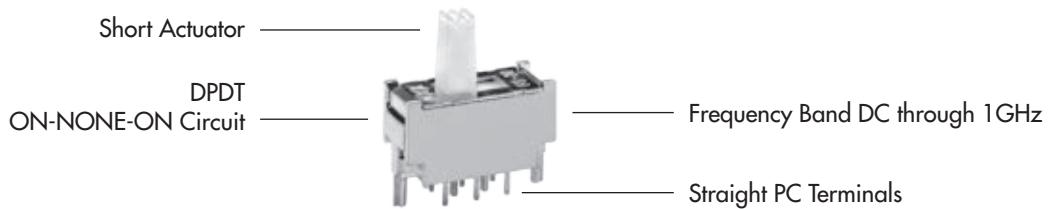
Soldering Time & Temp: Wave Soldering: See Profile A in Supplement section.
Manual Soldering: See Profile A in Supplement section.
Cleaning: These devices are not process sealed. Hand clean locally using alcohol based solution.

TYPICAL SWITCH ORDERING EXAMPLE



DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

FS22AAP



POLE & CIRCUIT

		Slide Position			Connected Terminals			Throw & Schematics
Pole	Model	Left	Center	Right	Left	Center	Right	Note: Terminal numbers are not actually on the switch.
DP	FS22	ON	NONE	ON	2-1 5-4	NA	2-3 5-6	DPDT

