General Specifications

Electrical Capacity (Resistive Load)

Switching Rating: 25mA @ 24V DC
Nonswitching Rating: 0.1A @ 50V DC

Other Ratings

	JS02 Extended Actuator	JS04 Flush Actuator
Contact Resistance:	50 milliohms maximum	50 milliohms maximum
Insulation Resistance:	100 megohms minimum @ 500V DC	100 megohms minimum @ 100V DC
Dielectric Strength:	500V AC minimum for 1 minute minimum	300V AC minimum for 1 minute minimum
Mechanical Life:	2,000 operations minimum	2,000 operations minimum
Electrical Life:	2,000 operations minimum	2,000 operations minimum
Total Travel:	.031" (0.8mm)	.026" (0.65mm)

Materials & Finishes

	JS02 Extended Actuator	JS04 Flush Actuator
Actuator:	Glass fiber reinforced polyamide	Glass fiber reinforced polyamide
Cover:	Glass fiber reinforced polyamide (UL94V-0)	Glass fiber reinforced polyamide (UL94V-0)
Base:	Glass fiber reinforced polyamide (UL94V-0)	Glass fiber reinforced polyamide (UL94V-0)
Contacts:	Beryllium copper with gold plating	Copper alloy with gold plating
Terminals:	Brass with gold plating	Brass with gold plating

Environmental Data

Operating Temp Range: **JS02 Extended Actuator:** –20°C through +70°C (–4°F through +158°F)
JS04 Flush Actuator: –30°C through +85°C (–22°F through +185°F)
Humidity: 90 ~ 95% humidity for 96 hours @ 40°C (104°F)
Vibration: 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^2) acceleration (tested in 6 right angled directions, with 5 shocks in each direction)

PCB Processing

Soldering: Reflow Soldering Recommended. See Profile A in Supplement section.
Manual Soldering: See Profile A in Supplement section.
Note: Switches are packaged in OFF position and should be soldered in OFF position.
Cleaning: These devices are not process sealed. Hand clean locally using alcohol based solution.

Standards & Certifications

Flammability Standards: UL 94V-0 rated cover & base
The JS Series slides have not been tested for UL recognition or CSA certification.
These switches are designed for use in a low-voltage, low-current circuit.
When used as intended in a low-voltage, low-current circuit, the results do not produce hazardous energy.

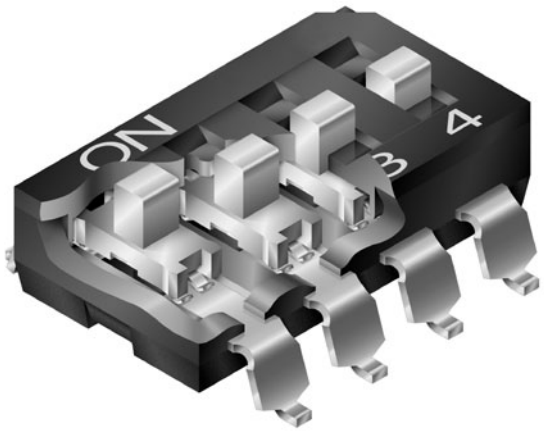
Distinctive Characteristics

Extended and flush slide actuators available.

Twin sliding contact mechanism with self-cleaning action (JS02) provides smooth actuation and produces high contact reliability.

Gold plated contacts prevent oxidation and sulfide effect and provide stable contact resistance.

Use of self-extinguishing UL94V-0 certified material in cover and base provides high arc resistance and high insulation resistance.



Gull-wing terminals ensure secure PCB mounting and prevent dislodging during vapor phase and infrared convection reflow soldering.

Terminal spacing conforms to standard PCB grid.
For JS02: .100" (2.54mm)
For JS04: .050" (1.27mm)

End-to-end stackable.

Packaged in tape-reel or stick-tube. Tape-reel packaging meets EIA-481-D Standard.

Coplanarity: all considered surfaces must lie between two parallel planes that are a maximum distance apart of .0059" (0.15mm). (Additional coplanarity details in Terms and Acronyms in the Supplement section.)

Actual Sizes

JS02

JS04

TYPICAL SWITCH ORDERING EXAMPLE

JS | 02 | 08 | A | P4 — S

Mounting

02	SMT .100" (2.54mm) for Extended Actuator
04	SMT .050" (1.27mm) for Flush Actuator

Actuator

A	Extended for 02 Mounting Code
F	Flush for 04 Mounting Code

Packaging

S	Stick-Tube
R	Tape-Reel
Not available in bulk	

No. Of Positions

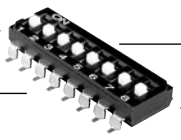
04	4 Positions
08	8 Positions

Contact Material & Rating

P4	Gold Rated 25mA @ 24V DC

DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

JS0208AP4-S

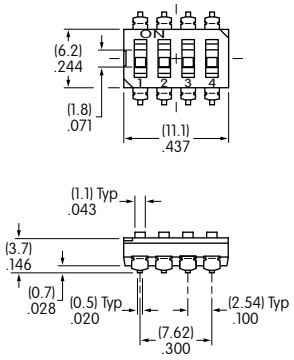


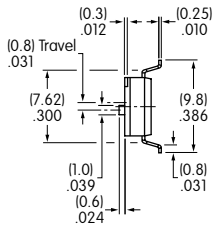
Stick-Tube Packaging

Series JS02 & JS04

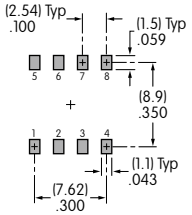
TYPICAL SWITCH DIMENSIONS

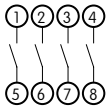
Single Pole — 4 Positions • Extended Actuator





End View

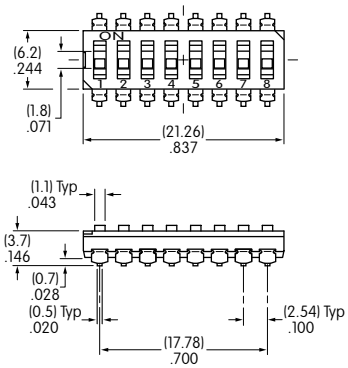


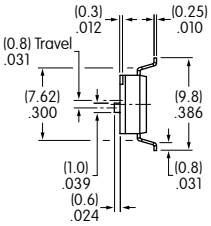


Schematic

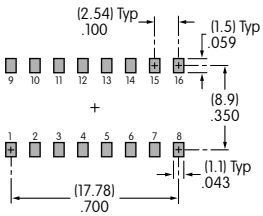
JS0204AP4

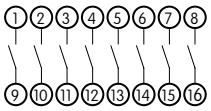
Single Pole — 8 Positions • Extended Actuator



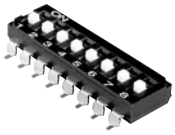


End View



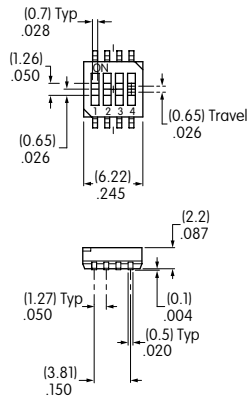


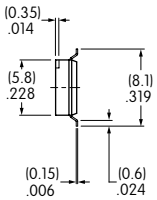
Schematic



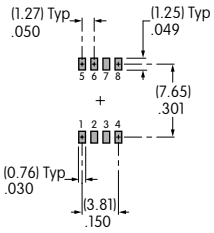
JS0208AP4

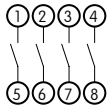
Single Pole — 4 Positions • Flush Actuator





End View

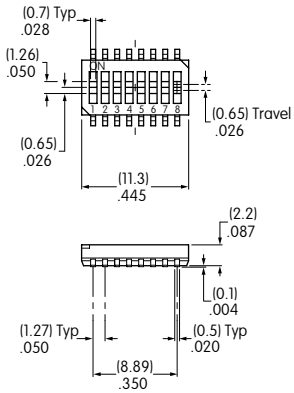


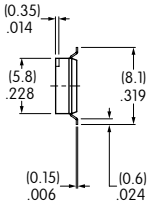


Schematic

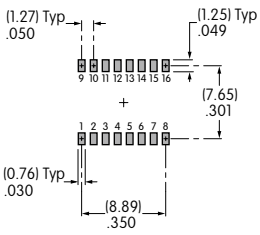
JS0404FP4

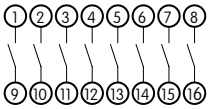
Single Pole — 8 Positions • Flush Actuator





End View





Schematic

JS0408FP4

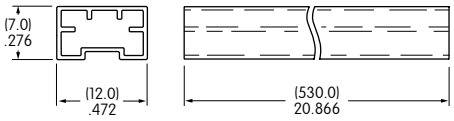
PACKAGING

S

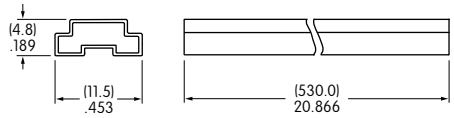
Stick-Tube Packaging

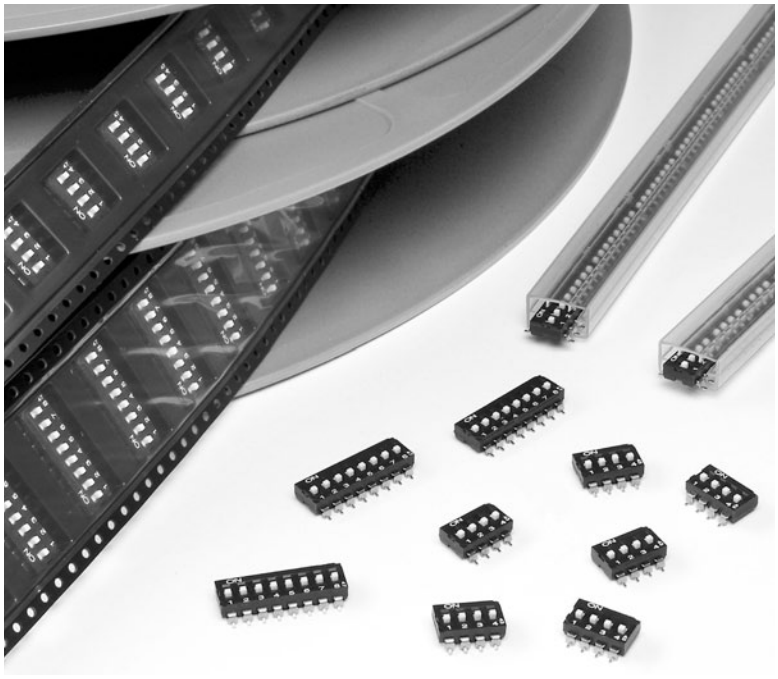
Switches are packaged in OFF position.
Switches are not available in bulk and must be ordered in the following increments:

Extended Actuator
JS0204AP4-S: 46 pieces per stick-tube
JS0208AP4-S: 24 pieces per stick-tube



Flush Actuator
JS0404FP4-S: 80 pieces per stick-tube
JS0408FP4-S: 45 pieces per stick-tube





R

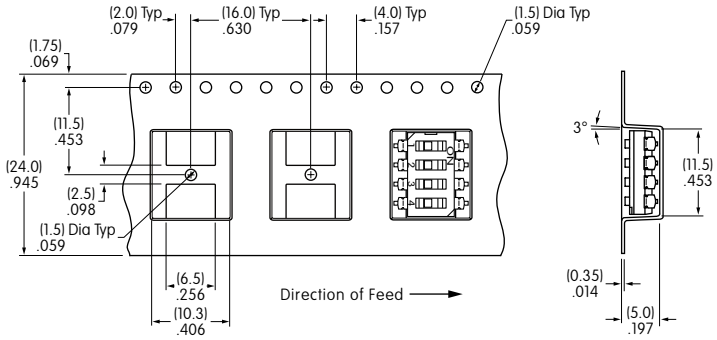
Tape-Reel Packaging for Extended Actuator

Switches are packaged in OFF position.
Switches are not available in bulk and must be ordered in the following increments:

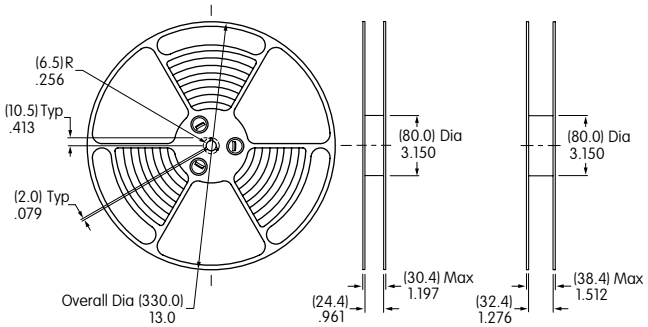
JS0204AP4-R: 500 pieces per tape-reel
JS0208AP4-R: 500 pieces per tape-reel

Minimum Leader Length: 15.75" (400mm)
Minimum Trailer Length: 6.3" (160mm)

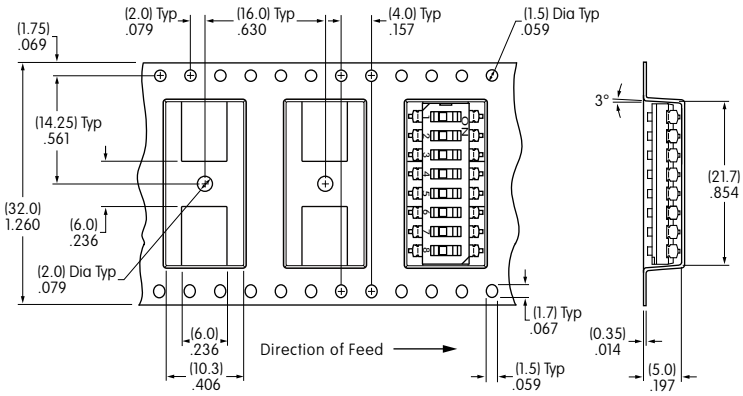
Tape-reel packaging meets EIA-481-D Standard.



Tape Dimensions for JS0204AP4-R



Reel Dimensions JS0204AP4-R JS0208AP4-R



Tape Dimensions for JS0208AP4-R

PACKAGING (CONTINUED)

R

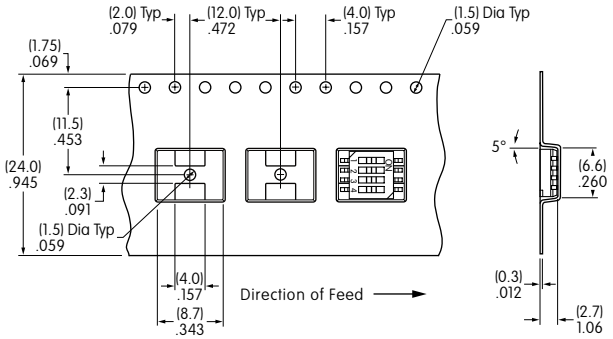
Tape-Reel Packaging for Flush Actuator

Switches are packaged in OFF position.
Switches are not available in bulk and must be ordered in the following increments:

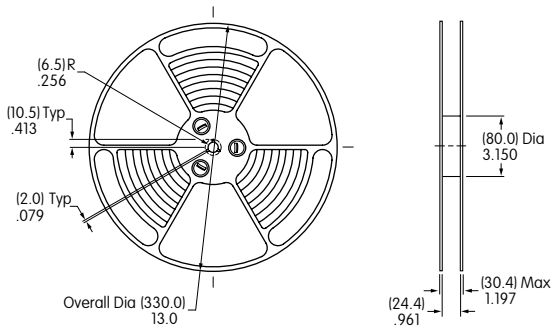
JS0404FP4-R: 2,000 pieces per tape-reel
JS0408FP4-R: 2,000 pieces per tape-reel

Minimum Leader Length: 15.75" (400mm)
Minimum Trailer Length: 6.3" (160mm)

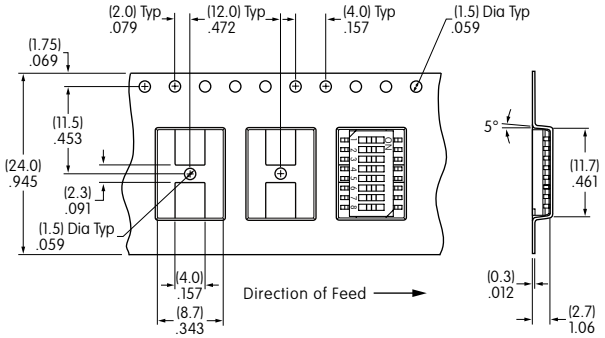
Tape-reel packaging meets EIA-481-D Standard.



Tape Dimensions for JS0404FP4-R



Reel Dimensions for JS0404FP4-R & JS0408FP4-R



Tape Dimensions for JS0408FP4-R

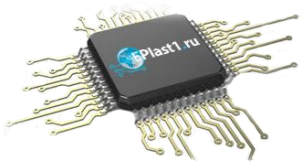
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
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