

APPLICATIONS / MARKETS













RoHS

SPECIFICATIONS

Contact Arrangement: SPST Off - (On) Contact Rating: 12VDC, 50mA

Contact Resistance: $500m\Omega$ Max. (Initial) Insulation Resistance: $100M\Omega$ Min. at 100VDC Dielectric Strength: 250VAC for 1 Minute

Electrical Life: 600,000 Cycles

Operating Temperature: -30°C to 85°C Operating Force: 160gf ± 50gf, 220gf ± 70gf

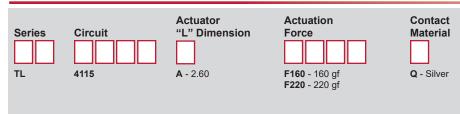
Travel: 0.15mm

Bounce: 10m sec. max.

FEATURES & BENEFITS

- 600,000 cycle life expectancy
- Tape and Reel packaging
- Low travel
- · Right angle edge surface mount design

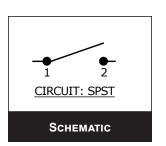
PART NUMBER CONFIGURATOR

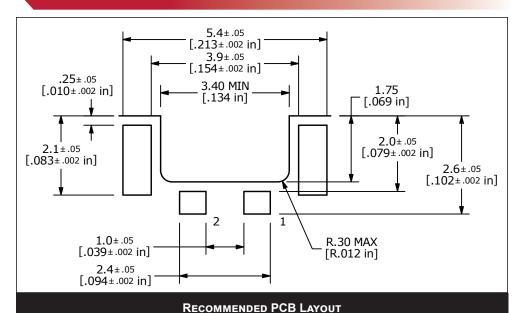


Specifications subject to change without notice 4.30.2021

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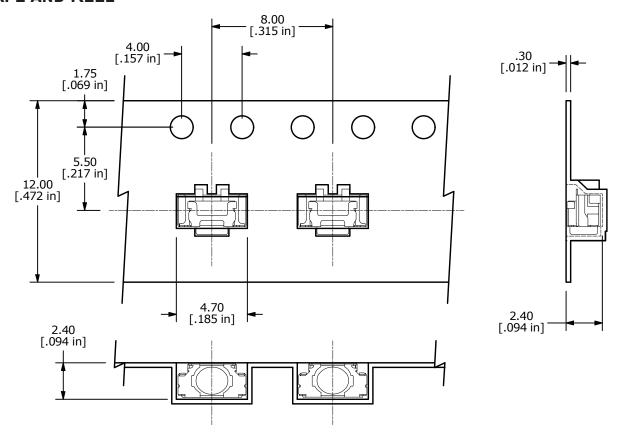
BODY DIMENSIONS

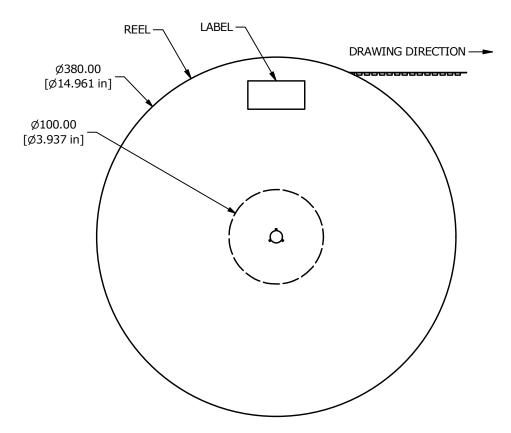




.40 [.016 in] 4.50 [.177 in] 1.80 2.20 [.071 in] [.087 in] 2.10 [.083 in] .60 [.024 in] 3.20 [.126 in] 1.10 3.50 [.043 in] [.138 in] 2.60±.10 1.70 [.067 in] [.102±.004 in] 2.10 [.083 in] MOUNT POSITION .80 .50 [.020 in] WITHIN 0.15mm [.031 in] FROM PWB EDGE 2.20 **PWB BASE PLATE** [.087 in] 🔫 .60 MIN [.024 in]

BODY DIMENSIONS TAPE AND REEL





DETECTOR SWITCHES

Most contamination problems can be prevented by exercising care during the cleaning and soldering process. Care should be taken not to immerse or spray unsealed switches during flux removal. Contact E-Switch for specific soldering recommendations and specifications not shown. Generalized soldering procedures are outlined below.

"TYPICAL" SMT REFLOW (Pb and Pb-Free)

Profile Feature	Sn-Pb Eutectic Assembly	Pb-Free Assembly
Average Ramp-Up Rate		
(Ts _{max} to Tp)	3 °C/second max.	3 °C/second max.
Preheat		
-Temperature Min (Ts _{min})	100 °C	150 °C
-Temperature Max (Ts _{max})	150 °C	200 °C
-Time (ts _{min} to ts _{max})	60-120 seconds	60-180 seconds
Time Maintained above:		
-Temperature (T _L)	183 °C	217 °C
-Time (t _L)	60-150 seconds	60-150 seconds
Time within 5 °C of actual	10-30 seconds	20-40 seconds
Peak Temperature (tp)		
Ramp-Down Rate	6 °C/second max.	6 °C/second max.
Time 25 °C to Peak		
Temperature	6 minutes max.	8 minutes max.

Note 1: All temperatures refer to topside of the package, measured on the package surface.

