

Electrical Characteristics

Electrical Life1,000 operation cycles per switch min. Non-Switching Rating ...100 mA, 50 VDC Switching Rating25 mA, 24 VDC Contact Resistance100 mohms max. Insulation Resistance100 Mohms min., DC 500 V min.

Dielectric Strength

.....AC 300 V for 1 minute Capacitance5 pF max. between adjacent closed switch CircuitSingle pole single throw

Environmental Characteristics

per switch min.
Operation Force
Stroke0.6 mm
Operating Temp. Range
40 °C to +85 °C
Storage Temperature40 °C to +85 °C
Vibration TestMIL-STD-202F,
Method 201A
Frequency10-50-10 Hz/1 minute
DirectionsX,Y,Z, three mutually
perpendicular directions
Time2 hours each direction,
high reliability
Shock TestMIL-STD-202F,
Method 213B, Condition A
Gravity50 G (peak value), 11 msec
Direction & Times6 sides and
3 times in each direction.
High reliability

Physical Characteristics

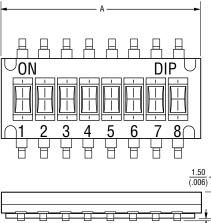
Cover MaterialsThermoplastic Nylon, UL94V-0; black
Base MaterialsThermoplastic Nylon, UL94V-0; black
Actuator Materials
Contact MaterialsAlloy Copper Contact Plating3 Micro inches gold
over 40 micro inches nickel Terminal MaterialsBrass with Gold plating
Reflow SolderingPeak temperature or reflow oven should be set to 240 ° C. max. 2 sec. while applying solder PackagingAll poles in the "off" position

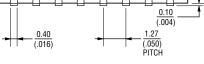
Features

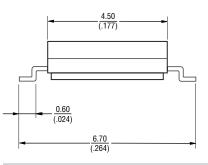
- Eight and four positions available
- Gold plated contacts offer high reliability
- Low contact resistance
- Just 1.5 mm total height
- Half pitch of 1.27 mm(.050 in.)
- RoHS compliant*

SDHH Series Half Pitch SMD DIP Switch

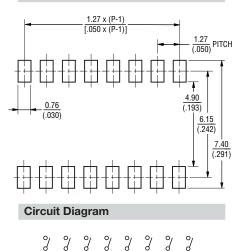
Product Dimensions







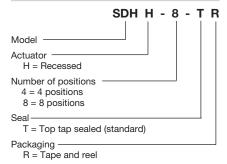
Recommended PCB Layout



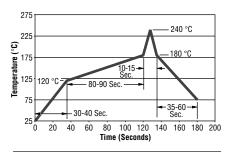
SDHH Series Dimensions

MODEL NO.	POS.	DIM. A	DIM. B
SDHH-4	4	6.31 (.248)	3.81 (.15)
SDHH-8	8	11.39 (.448)	8.89 (.35)

How to Order



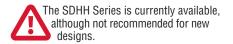
Reflow Soldering Profile





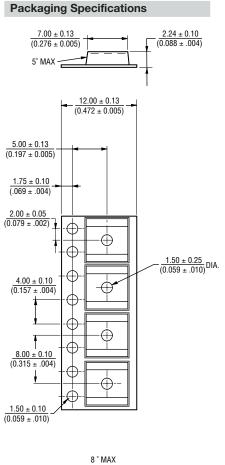
TOLERANCES: ±.2 EXCEPT WHERE NOTED.

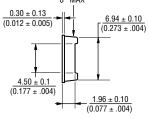
*RoHS Directive 2002/95/EC Jan 27 2003 including Annex. Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.



SDHH Series Half Pitch SMD DIP Switch

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