PI & PM SERIES SPST SEALED PIANO DIP SWITCHES

FEATURES

Built-in seal for process compatibility. High reliability. Splayed thru-hole or SMT terminals. 2, 4, 6, 8 & 10 positions. Piano style actuators. Dual in-line .100" x .300" term. spacing.

GENERAL SPECIFICATIONS

ELECTRICALS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Electrical life 200 cycles min. per switch @ 24 VDC, 25 mA

Contact rating, non-switching 100 mA at 50 VDC Contact rating, switching 25 mA at 24 VDC

Contact resistance at current 100 mA 50 mý max. initial - 100 mý max. after life test

Insulation resistance at 500 VDC 100 Mý minimum Dielectric strength 300 VAC for 1 minute

Capacitance 5 pf. max. between adjacent terminals

MECHANICALS, THERMALS

Mechanical life 500 cycles min. per switch

Operating force 800 grams max.

Vibration 10-55 Hz.per MIL-STD-202F METHOD 201A

Shock 50 G (peak value) for 11 msec. per MIL-STD-202F, METHOD 213B

Operating temperature range -40°C to 85°C

SOLDERING & CLEANING RECOMMENDATIONS*

Hand soldering 320°C max. for 2 seconds max.(30 watt iron max.)

Wave soldering 260°C max. for 5 seconds max. Note PM Series is vapor phase

or IR reflow solderable.

Force rinse, high agitation or Sealed construction permits washing with freons, alcohol, water triple bath cleaning method and steam. When vapor methods are used, do not subject switch

to solvents above 51°C.

* Note: keep switches in "ON" position during soldering and cleaning for best results

MATERIALS

Base & Cover UL94V-O, high temperature thermoplastic, color black Actuators UL94V-O, high temperature thermoplastic, color `.01*white

Contacts Gold over nickel plated copper alloy or brass
Terminals Tin/lead (90/10 solder) plated copper alloy or brass

Term. Sealing Molded-in

Tape seal High temperature modulus Teflon internal seal

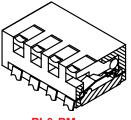
PI and PM
models feature
auniquely
designed
internal seal!

PACKAGING

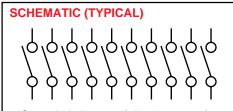
DIP switches are shipped in standard IC tubes with all actuators in the "ON" position. Tape & reel packaging per EIA available for PM models - consult factory.

SWITCH CROSS SECTION

Double contact system



PI & PM



See tabulations on following page for number of positions available (10 shown)

