

NDI & DM SERIES SPST STANDARD DIP SWITCHES

FEATURES

High reliability.
Self-cleaning contacts.
Multi- positions.
Process compatible with tape seal.
Dual in-line .100" x .300" term. spacing.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

GENERAL SPECIFICATIONS

ELECTRICALS

Electrical life	2000 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 milliohms max. initial - 100 milliohms max. after life test
Insulation resistance at 100 VDC	100 milliohms minimum
Dielectric strength	500 VAC for 1 minute
Capacitance	5 pf. max. between adjacent terminals

MECHANICALS, THERMALS

Mechanical life	2000 cycles min. per switch
Operating force	1000 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	-20°C to 85°C

SOLDERING & CLEANING RECOMMENDATIONS*

Hand soldering	350°C max. for 2 seconds max. (30 watt iron max.)
Wave soldering	260°C max. for 5 seconds max.
Cleaning (with tape seal)	Spray wash from top side only.

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

MATERIALS

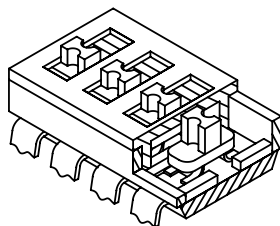
Base & Cover	NDI: UL94V-O, glass fiber filled PBT, black DM: UL94V-O, glass fiber filled PPS, black
Actuators	UL94V-O, Nylon, white
Contacts	Gold over nickel plated copper alloy
Terminals	Gold plated brass.
Term. Sealing	Molded-in
Tape seal	Kapton

PACKAGING

DIP switches are shipped in standard IC tubes with all actuators in the "OFF" position.
Tape & reel packaging per EIA available for DMR models (see next page).

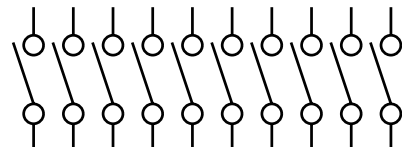
SWITCH CROSS SECTIONS

Double
contact system



DI & DM

SCHEMATIC (TYPICAL)



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

