DHS SERIES 1/2 PITCH SPST SURFACE MOUNT DIP SWITCHES

FEATURES

Ultra-compact low-profile size. .050" (1.27mm) terminal spacing. Self-cleaning twin point contacts. Auto-insertable and reflow solderable. Process compatible with std'd. tape seal.

GENERAL SPECIFICATIONS ELECTRICALS 1000 cycles minimum Electrical life Contact rating, non-switching 100 mA at 50 VDC 100 mA at 6 VDC Contact rating, switching 100 mý maximum Contact resistance 100 Mý minimum Insulation resistance Dielectric strength 250 VDC for 1 min. between adjacent or opposite terminals Capacitance 5 pf. max. between adjacent or opposite terminals **MECHANICALS, THERMALS** 400 grams maximum Operating force Vibration 10-55 Hz. per MIL-STD-202F, METHOD 201A 50 g (peak value) for 11 msec. per MIL-STD-202F, METHOD 213B Shock -40°C to +80°C Operating temperature range **SOLDERING & CLEANING RECOMMENDATIONS** Hand soldering 330°C max. for 3 seconds max.(30 watt iron max.) Reflow soldering Set oven at 215°C max. for 90 seconds max. 1-1-1 Trichloroethane, Freon TE, Isopropyl alcohol or aqueous Cleaning (with standard tape seal in place) cleaner for 2 minutes max, at 20°C MATERIALS UL94V-O, glass fiber filled PPS, black Base **MECHANICAL OUTLINE** UL94V-O, glass fiber filled PPS, black Cover UL94V-O, Polyamide, yellow Actuators .050 [1.27] Gold plated beryllium copper Contacts Terminals Gold plated copper alloy ппппп Terminal seal Epoxy Polyimide Tape seal 028 [0.70] STROKE PACKAGING .016 [0.41] Supplied in tape & reel packaging. Reel & tape meets the requirements of EIA-481-A. 244 [6.20] SEE TABLE SR/TC Style S Style .087 [2.21] ⊕ \oplus \oplus \oplus \oplus \oplus ⊕ \oplus \oplus \oplus æ Ф .020 [0.50] .004 [0.10] .008 [0.20] .315 [8.00] 1 2 3 4 5 6 7 8 JAPAN STD. EIA-481-A -.050 [1.27] POSITION 1 POSITION 1 .346 [8.79] .039 [0.99] MODEL NO. 0F A DIMENSION ______ NUMBER POS. IN(±.012) MM(± 0.30) - .031 [0.79] DHS4S 4 .268 6.81 SCHEMATIC PRINTED CIRCUIT BOARD OUTLINE DHS6S 6 .368 9.35 (8 positions shown) (8 positions shown) DHS8S 8 .468 11.89 DHS10S 10 .568 14.43 Note: S at end of model no. indicates S style packaging. Substitute SR/TC for S for SR/TC packaging.

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