



DTS-6(2) & KTSC-6(2) SERIES

DIMENSIONS

DTS-6

□ 6.20
[.244]

□ 6.20

SPECIFICATION

MECHANICAL

520 ± 130gf Yellow (Y)
 320 ± 80gf Salmon (S)
 Operation Force: 260 ± 50gf Red (R)
 160 ± 50gf Brown (N)
 100 ± 50gf Black (K)
 70 ± 50gf Light Blue (U)

Stop Strength: Place the switch such that vertical, a static load of 3 kgf shall be applied in the direction of stem operation for a period of 15 seconds.

Stroke: (12x12) 0.35 ^{+0.2 mm} / _{-0.1 mm}
 (6x6) 0.25 ^{+0.2 mm} / _{-0.1 mm}

Operation Temperature Range: -25°C to +70°C
Storage Temperature Range: -30°C to +80°C
Vibration Test: MIL-STD-202F METHOD 201A.
 Frequency: 10-55-10Hz/1 minute.
 Directions: X,Y,Z, three mutually perpendicular directions.
 Time: 2 hours each direction.
 High reliability.

Shock Test: MIL-STD-202F METHOD 213B.
 CONDITION A.
 Gravity: 50G (peak value), 11 msec.
 Direction and times: 6 sides and 3 times in each direction.
 High reliability.

ELECTRICAL

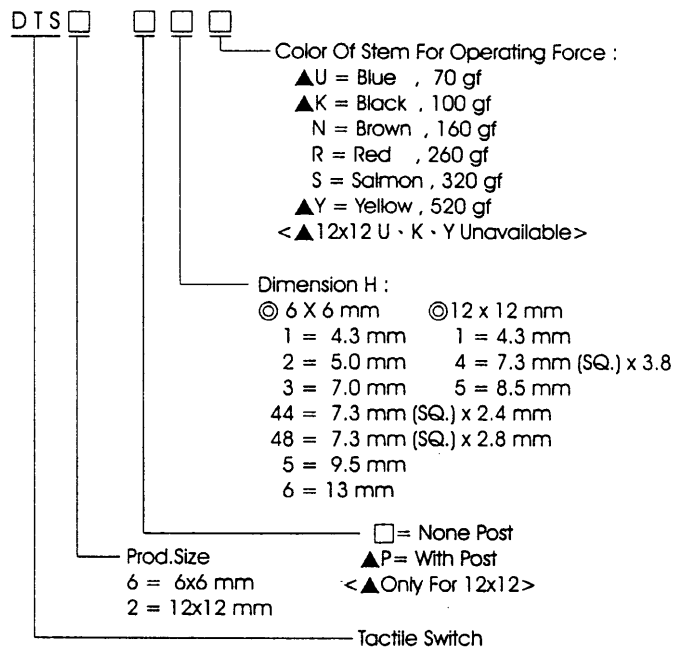
Electrical Life: 50,000 cycles for 260gf, 320gf, 520gf,
 500,000 cycles for 70gf, 100gf, 160gf.
 Rating: 50mA, 12VDC.
 Contact Resistance: 100mΩ max.
 Insulation Resistance: 100MΩ min. 500VDC.
 Dielectric Strength: 250VAC/1 minute.
 Contact Arrangement: 1 pole 1 throw.

SOLDERING PROCESSES

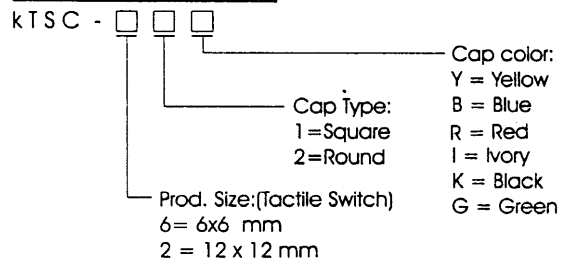
△WAVE SOLERING: Recommended solder temperature at 500°F (260°C) max. 5 seconds subject to PCB 1.6mm thickness.

△HAND SOLDERING: Use a soldering iron of 30 watts, controlled at 608°F (320°C) approximately 2 seconds while applying solder.

HOW TO ORDER

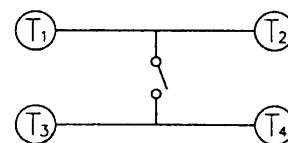


CAP PART NO.



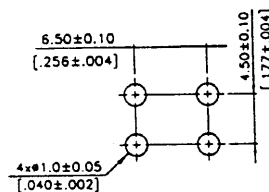
▲1. Only For DTS □ - 644&24, Cap In Bulk Pack
 ▲2. Square Cap For 644&24, Round Cap For 644

CIRCUIT

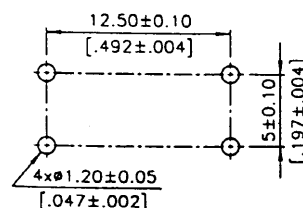


P.C.B. LAYOUT

DTS-6



DTS-2



SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
 *MORE UPDATE INFORMATION, PLEASE CONSULT DIPTRONICS.