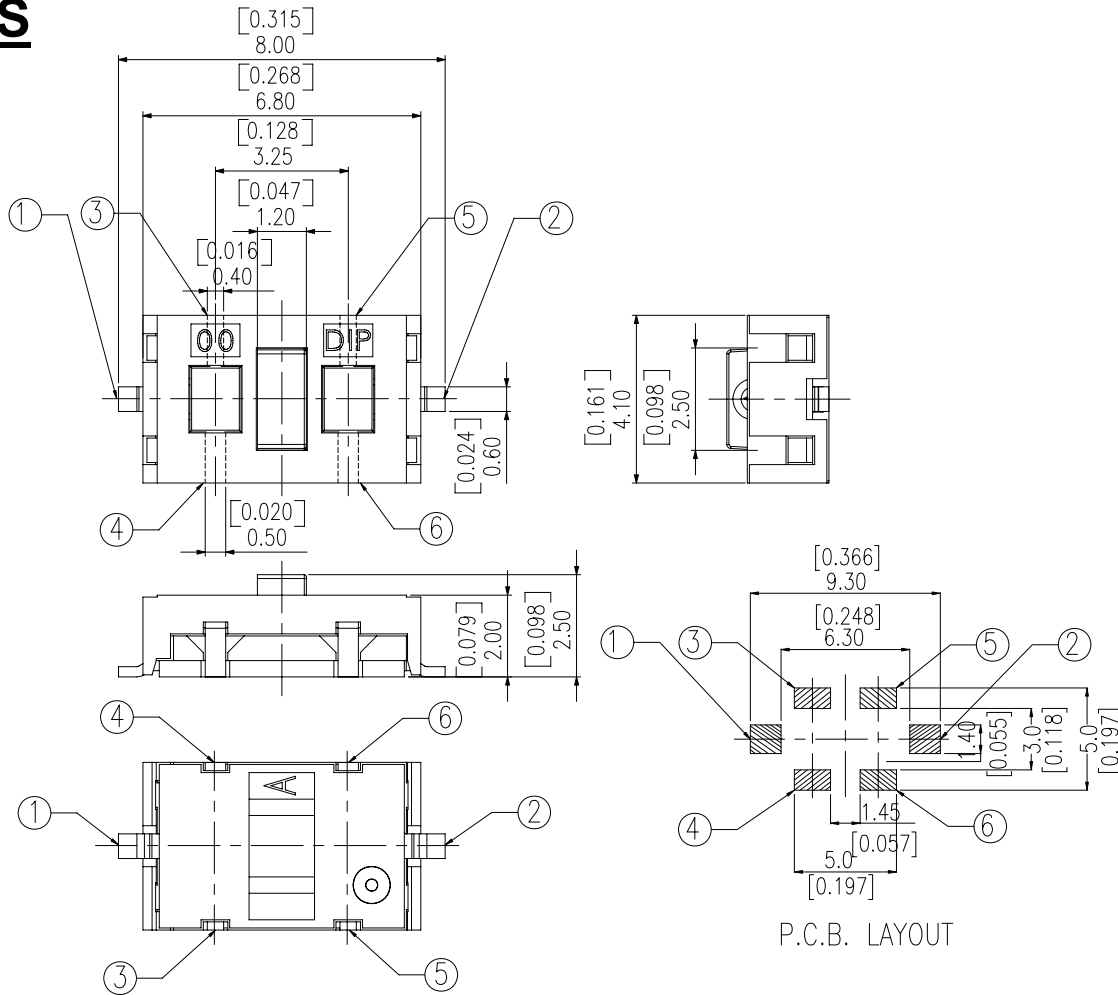


TML-3 SERIES

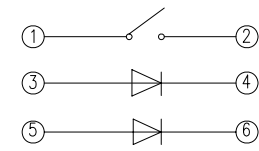


DIMENSIONS

TML-3



NO.	LED COLOR
X	NON-LED
R	RED
O	SOFT ORANGE
G	GREEN
B	BLUE
S	AMBER



CIRCUIT DIAGRAM

General Tolerance : $\pm 0.2\text{mm}$

HOW TO ORDER

T M L - 3 W - -

Package Style :
T/R = Tape & Reel

Soldering :
V = Lead Free Solderable

Right LED Color
X = No LED
R = Red
G = Greed
O = Soft Orange
B = Blue
S = Amber

Left LED Color
X = No LED
R = Red
G = Greed
O = Soft Orange
B = Blue
S = Amber

Operating Force :
W = White, 160gf

Prod. No.
4.1X6.8mm

Tactile Switch

SPECIFICATION

△MECHANICAL

Operation Force: 160±50gf Brown (N)
 Stroke : 0.25+0.2/-0.1mm
 Operation Temperature: -20°C to +70°C
 Storage Temperature: -30°C to +80°C

△ELECTRICAL

Electrical Life: 50,000 cycles for 160gf
 Rating:50mA , 12VDC
 Contact Resistance: 100mΩ max.
 Insulation Resistance: 100MΩ min. 500V DC
 Dielectric Strength: 250VAC / 1 minute
 Contact Arrangement 1 pole 1 throw
 LED : See Specification.

MATERIAL

- △Cover : UL 94V-0 Nylon High-temp Thermoplastic.
Color : White
- △STEM : UL 94V-0 Nylon High-temp Thermoplastic.
Color : Black
- △CONTACT : Stainless with silver cladding.
- △BASE : UL 94V-0 Nylon High-temp Thermoplastic.
Color : White(160gf)
- △TERMINAL : Brass, Silver cladding
- △ADHESIONS TAPE : Kapton

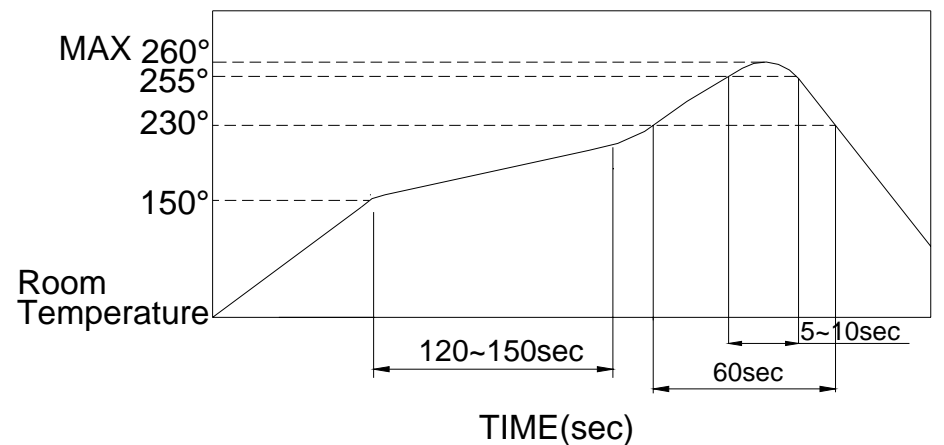
SOLDERING PROCESS

△HAND SOLDERING: Use a soldering iron of 30 watts, controlled at 350°C approximately Max 5 seconds while applying.

△REFLOW SOLDERING: When applying reflow soldering, the peak temperature or the reflow oven should be set to 260°C max.

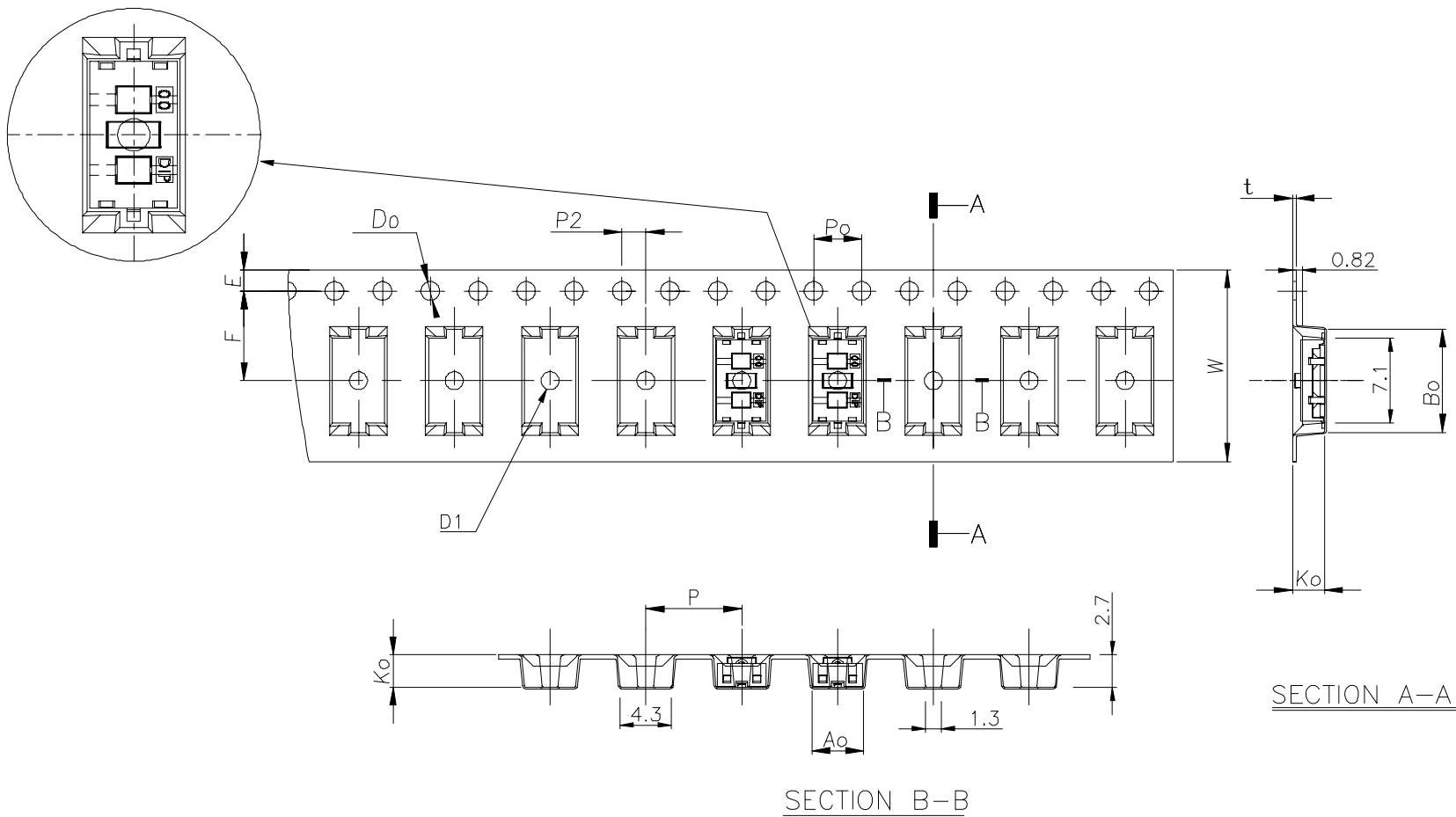
△CONDITION FOR SOLDERING : Reflow & non-washable type

△ Temperature Profile :



PACKING

Part Number	Number Per Reel	Number Per Bag
TML-3	3000	-



Carrier Length: 76M/22" Paper reel(13" Plastic reelx3) Q'ty:3000pcs/13"reel													
ITEM	W	A ₀	B ₀	K ₀	P	F	E	D ₀	D ₁	P ₀	P ₂	t	
DIM	16.0 ^{+0.30} _{-0.30}	4.3 ^{+0.10} _{-0.10}	8.6 ^{+0.10} _{-0.10}	2.7 ^{+0.10} _{-0.10}	8.0 ^{+0.10} _{-0.10}	7.5 ^{+0.10} _{-0.10}	1.75 ^{+0.10} _{-0.10}	1.50 ^{+0.10} _{-0.00}	1.50 MIN.	4.00 ^{+0.10} _{-0.10}	2.00 ^{+0.10} _{-0.10}	0.35 ^{+0.05} _{-0.05}	

General Tolerance : ±0.1mm

PRECAUTION in HANDLING

- △After reflow, do not touch LED before cooling, or it could influence LED function.
- △It is a normal material characteristic when yellowing on plastic surface after reflow.
- △Care should be exercised so that flux from the upper part of the printed circuit board does not adhere to the switch