

### » Features

- Miniature structure with long traveling.
- Several LED colors options.
- Customized cap and symbols are available.
- Combination of switch linked with LED avoid the LED failure during high-temperature processing.

# » Applications

 Operating switches in all types of electronic equipment such as audio apparatus, office equipment, communications apparatus, TV sets, VCRs, etc.



# » Specifications

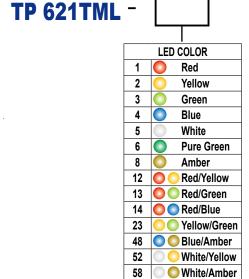
Rating	50mA 12VDC		
Insulation Resistance	1GΩ Min (at 250 VDC)		
Dielectric Strength	AC 250V (50/60 Hz for 1 minute)		
Contact Resistance	100mΩ Max. (Initial)		
Electrical Life	10,000 Cycles Min		
Ambient Temperature	-40℃~ +125℃		
Operating Force	400 ± 100gf		
Total Travel	0.8 ± 0.1mm		

# » LED Specifications

Color	VR	IF	Recommended Operating Current	VF Nor Max	
Red	DC 5V	20mA	20mA	1.7V	2.4V
Green	DC 5V	20mA	20mA	1.9V	2.4V
Yellow	DC 5V	20mA	20mA	1.9V	2.4V
Blue	DC 5V	20mA	20mA	3.0V	3.6V
White	DC 5V	20mA	20mA	3.0V	3.6V

For the specification about the other LEDs, please contact with sales department

#### » Product selection

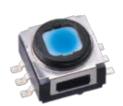


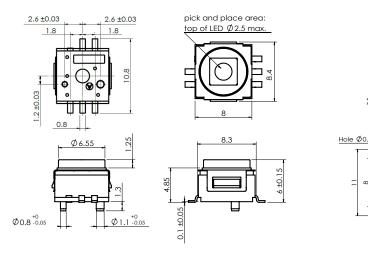


# » Operating characteristics

Unit: mm Dimensions P.C.B Layout

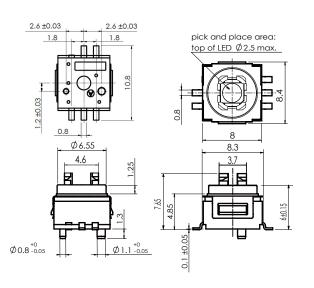
## TP621TML

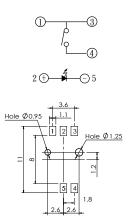




## TP622TML







1 2 3

Hole Ø1.25