TP1251: ILLUMINATED PUSHBUTTON SWITCHES



FEATURES

- Momentary switch action
- 12mm square
- Very low profile
- High brilliance illumination
- 3 LED colour options
- Suitable for membrane backlighting
- Standard 2.54mm terminal pitch
- High reliability due to simplified operating mechanism and low current

DESCRIPTION

The TP 1251 series of miniature, PCB mounted, pushbutton switches is designed for applications that demand a minimal overall height and are particularly suitable for illuminated membrane switch panels. The switches are fully backlit and are available in red, yellow and green and exhibit a high degree of brilliance due to an innovative filter and reflector construction. A simplified operating mechanism and low current requirement ensure high reliability in use.

SPECIFICATIONS

Electrical	
Rating	12V DC 50mA max
Contact Resistance	100mΩ max
Insulation Resistance	00MΩ min @ 100V DC
Dielectric Strength	250V AC for 1 minute
Mechanical	
Operating Life	1 million operations
Operating Temperature	-10˚C to +60˚C
Operating Force	3.0N max

Electrical Performance – LED

	I_F	V_F Typical	Peak Reverse Voltage	Max Forward Current
Red	15mA	4.1V	6V	20mA
Yellow	15mA	4.2V	6V	20mA
Green	15mA	4.2V	6V	20mA

ORDERING INFORMATION

TP — **Series Code**

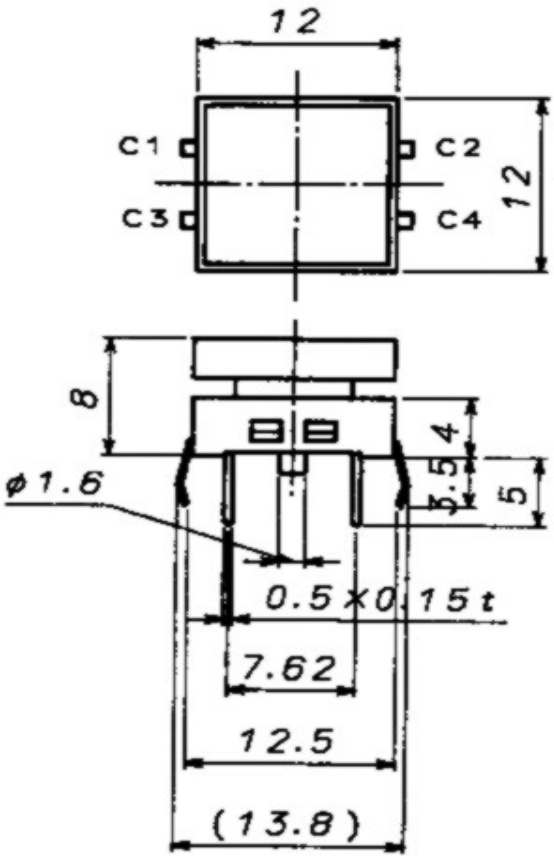
1251 — **Type Number**

R — **LED Colour**

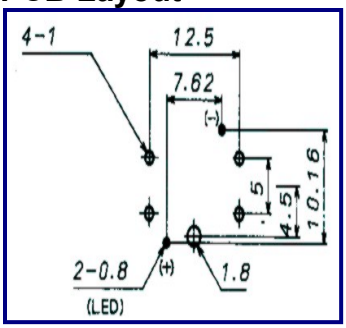
R	Red LED
Y	Yellow LED
G	Green LED

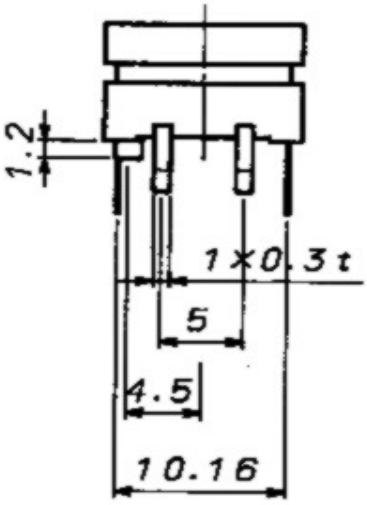
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DIMENSIONS

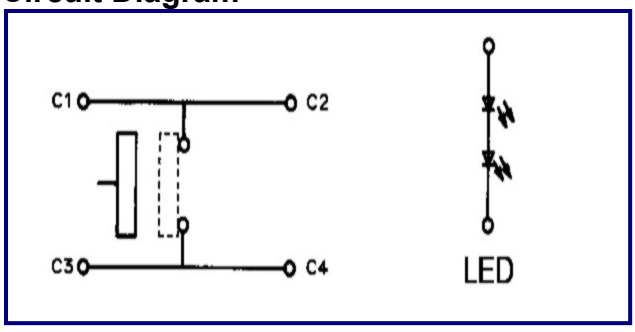


PCB Layout





Circuit Diagram



All measurements are in mm. Tolerance +/- 0.3mm unless shown. This leaflet is believed to contain the best information at time of printing, but is subject to change without notice.

DEVLIN

DEVLIN COMPONENTS

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