SERIES LP4 SWITCHES
ILLUMINATED PUSHBUTTON SWITCH

**Series LP4 Switches**

- **Mechanical Life:** 50,000 cycles
- **Force:** 250 ± 100 grams
- **Travel:** 1.0mm ± 0.3mm LOCK; 1.5mm ± 0.3mm FULL

**Specifications subject to change without notice.**

**Series Cap Size**

- 1 = DPDT Circuit
- OA = Momentary
- EE = Latching

**Applications / Markets**

- Telecommunications
- Consumer Electronics
- Audio/visual
- Medical
- Testing/instrumentation
- Computer/servers/ peripherals

**Mechanical Specifications**

- Contact Rating: 30VDC, 0.1A
- Contact Resistance (Initial Max.): 50 milliohms max.
- Insulation Resistance (min.@500V): 100 megaohms min. @ 500VDC
- Dielectric Strength (1 Min.): 500VAC

**Electrical Specifications**

- Operating Temperature: -20°C to +70°C

**Environmental Specifications**

- HOW TO ORDER

**Example Ordering Number**

LP4-OA-1-P-B-A-T -- R

* Right angle only available in a square cap with bezel.

**Features & Benefits**

- Latching and momentary options
- Illuminated
- Right angle and vertical mount options
- Multiple bezel and button designs

**Applications / Markets**

- Telecommunications
- Consumer Electronics
- Audio/visual
- Medical
- Testing/instrumentation
- Computer/servers/peripherals

**How to Order**

- **Series:** LP4
- **Function Style:** OA = Momentary
- **Circuit:** 1 = DPDT
- **Termination:** P = Vertical PCB Mount
- **Housing Color:** B = Black, W = White, G = Gray
- **Cap Size:** N = No Cap
- **Cap Color:** A = Square w/ Bezel, B = Round w/ Bezel, C = Round w/o Bezel
- **Cap Color Options:** N = No Cap, A = Transparent, G = Green, R = Red, Y = Yellow, B = Blue, W = White

**Applications / Markets**

- Telecommunications
- Consumer Electronics
- Audio/visual
- Medical
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**LED Specifications**

<table>
<thead>
<tr>
<th>LED Color</th>
<th>Blue</th>
<th>Red</th>
<th>Green</th>
<th>Yellow</th>
<th>White</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forward Current (mA)</td>
<td>5mA</td>
<td>20mA</td>
<td>20mA</td>
<td>20mA</td>
<td>20mA</td>
</tr>
<tr>
<td>Forward Voltage@20mA</td>
<td>2.9-4.0VDC</td>
<td>1.9-2.5VDC</td>
<td>2.1-2.5VDC</td>
<td>1.7-2.4VDC</td>
<td>3.5-4.0VDC</td>
</tr>
<tr>
<td>Luminous Intensity</td>
<td>9 mcd@5mA</td>
<td>200 mcd</td>
<td>45 mcd</td>
<td>350 mcd</td>
<td>2700 mcd</td>
</tr>
</tbody>
</table>

**Schematic**

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CAP OPTIONS

A. Square with Bezel

B. Round with Bezel
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CAP OPTIONS (CONT.)

C. Round without Bezel

N. No Cap

PCB MOUNTING

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Dimensions in millimeters (inches):

- C. Round without Bezel:
  - Diameter: 87.50 mm (.345 in)
  - Height: 30 mm (.118 in)

- N. No Cap:
  - Height: 8.74 mm (.344 in)
  - Width: 7.30 mm (.287 in)

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