

SPECIFICATIONS

| | |
|---------------------------------|------------------------|
| Electrical Ratings | 50mA @ 24VDC |
| Electrical Life | 500,000 cycles typical |
| Contact Resistance | < 50 mΩ initial |
| Actuation Force | 160 +/- 100gF |
| Actuator Travel | 0.5 +/- .2mm |
| Dielectric Strength | 1000Vrms min |
| Insulation Resistance | > 100MΩ min |
| Operating / Storage Temperature | -40°C to 85°C |



Bi-colored, SMT

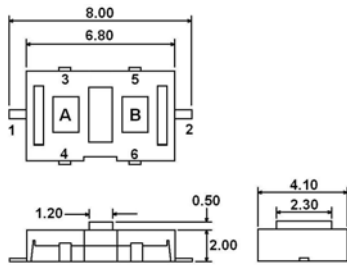
MATERIALS ←RoHS COMPLIANT

| | |
|-----------|--------------------------------|
| Actuator | LCP – Liquid Crystal Polymer |
| Housing | Nylon 9T |
| Base | LCP – Liquid Crystal Polymer |
| Contacts | Phosphor Bronze, Silver Plated |
| Terminals | Brass, Silver Plated |

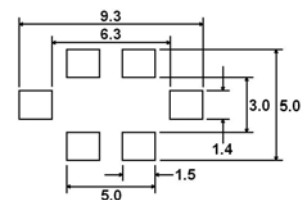
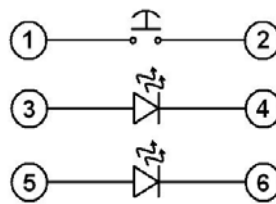
ORDERING INFORMATION

| | | | |
|-----------------------------|---|----------|----------|
| 1. Series: | NL | R | G |
| 2. First LED Color: | R = Red G = Green Y = Yellow B = Blue W = White | | |
| 3. Second LED Color: | R = Red G = Green Y = Yellow B = Blue W = White | | |

DIMENSIONS



SCHEMATIC & PC LAYOUT



LED SPECIFICATIONS

| LED Ratings | Value | Value | | | | | Units |
|---|----------------------------------|-----------|-----------|-----------|-----------|-----------|-------|
| | | R | G | Y | B | W | |
| Reverse Voltage | V _R | 5 | 5 | 5 | 5 | 5 | V |
| Forward Current (avg / peak) | I _F / I _{FS} | 30 / 125 | 30 / 125 | 30 / 125 | 30 / 125 | 30 / 125 | mA |
| Reverse Current V _R = 5V | I _R | 10 | 10 | 10 | 10 | 10 | μA |
| Power Dissipation | P _T | 69 | 81 | 81 | 81 | 120 | mW |
| Forward Voltage (typ. / max), I _F = 20mA | V _F | 1.8 / 2.3 | 2.2 / 2.7 | 2.2 / 2.7 | 3.5 / 3.8 | 3.5 / 4.0 | V |
| Wavelength, Peak Emmission, I _F = 20mA | λ _P | 660 | 565 | 585 | 470 | N/A | nm |
| Spectral Line Half-Width, I _F = 20mA | Δλ | 24 | 30 | 35 | 25 | 40 | nm |
| Luminous Intensity, I _F = 20mA | LI | 4 | 6 | 6 | 110 | 180 | mcd |
| Viewing Angle | Θ | 150 | 150 | 150 | 150 | 165 | Deg |