

RoHS Compliant

Specifications

Electrical Ratings	300mA @ 30VDC	Dielectric Strength	1000Vrms min
Electrical Life	20,000 cycles typical	Insulation Resistance	>100MΩ min
Contact Resistance	<50mΩ initial	Operating Temperature	-40°C to 85°C
Actuation Force	300 ± 100gF	Storage Temperature	-40°C to 85°C
Actuation Travel	3.3 ± .25mm		

Materials

Actuator	Poly Carbonate (PC)
Housing	6/6 Nylon
Base	Polybutylene Terephthalate (PBT)
Spring	Stainless Steel
Contacts	Phosphor Bronze, Silver Plated
Terminals	Brass, Silver Plated

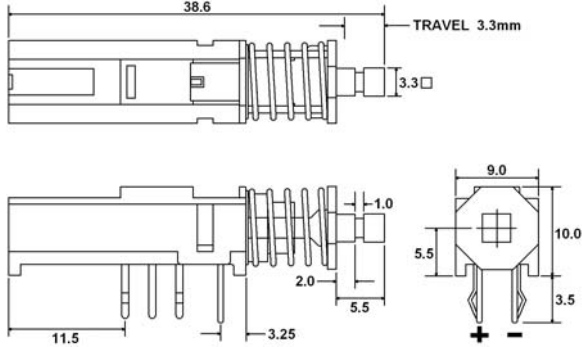
Ordering Information

1. Series	LPH	4	L	RG	C170	MS04
LPH						
2. Switch Function						
2 = DPDT						
4 = 4PDT						
3. Latching Option						
N = Non-Latching (Momentary)						
L = Latching						
4. LED Color **For a bi-color LED, choose two color designators						
R = Red Example : RG						
G = Green						
Y = Yellow						
B = Blue						
5. Cap Option						
C150						
C170						
6. Cap Finishes						
Blank = No cap finish						
MS = Misty Silver						
Laser Etching Option **Only available with MS cap finish						
01, 02, 03, 04, 05						
06, 07, 08, 09, 10						

LPH

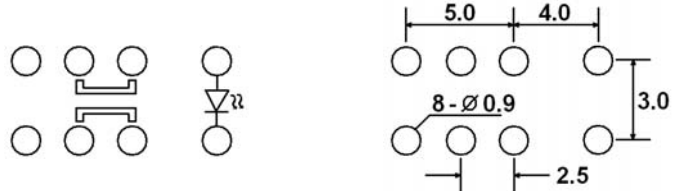
Illuminated Pushbutton

Dimensions - 2 Pole

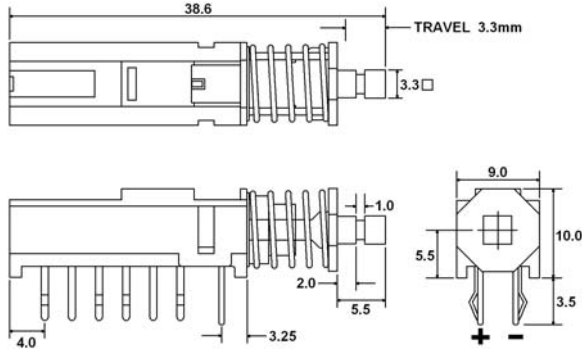


Schematic & PC Layout

Bottom Views

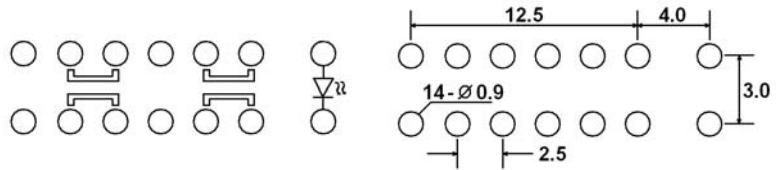


Dimensions - 4 Pole



Schematic & PC Layout

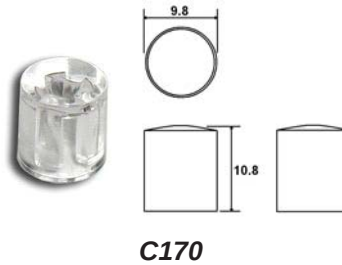
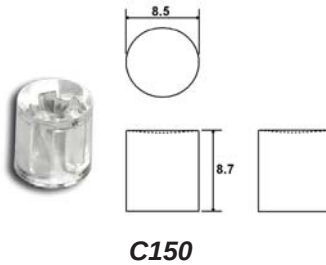
Bottom Views



LED Characteristics

LED Ratings		Color				
		R	G	Y	B	Units
Reverse Voltage	V_R	5	5	5	5	V
Forward Current (avg)	I_F	15	30	20	30	mA
Forward Current (peak)	I_{FS}	60	120	80	100	mA
Reverse Current $V_R = 5V$	I_R	10	10	10	10	μA
Power Dissipation	P_T	40	100	60	120	mW
Operating & Storage Temperature	T_A	-40 ~ +85				°C
Forward Voltage (typ) $I_F = 20mA$	V_F	1.7	1.7	1.7	3.5	V
Forward Voltage (max) $I_F = 20mA$	V_F	2.6	2.6	2.6	4.0	V
Wavelength at Peak Emmission, $I_F = 20mA$	λ_P	697	565	585	470	nm
Spectral Line Half-Width, $I_F = 20mA$	$\Delta\lambda$	90	30	35	25	nm
Luminous Intensity, $I_F = 20mA$	LI	7.6	26	26	450	mcd
Viewing Angle	Θ	44	44	44	30	deg

Cap Options



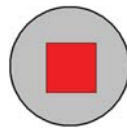
Laser Etching Options



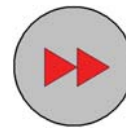
01



02



03



04



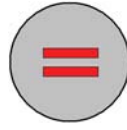
05



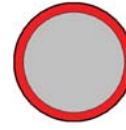
06



07



08



09



10

Specifications and availability subject to change without notice.

Dimensions shown in mm. Dimensions are shown for reference purposes only.