



Specifications

Electrical Ratings	50mA @ 24VDC	Dielectric Strength	1000Vrms min
Electrical Life	500,000 cycles typical	Insulation Resistance	>100MΩ min
Contact Resistance	<10mΩ initial	Operating Temperature	-40°C to 85°C
Actuation Force	150 ± 50gF	Storage Temperature	-40°C to 85°C
Actuation Travel	1.5 ± .3mm		

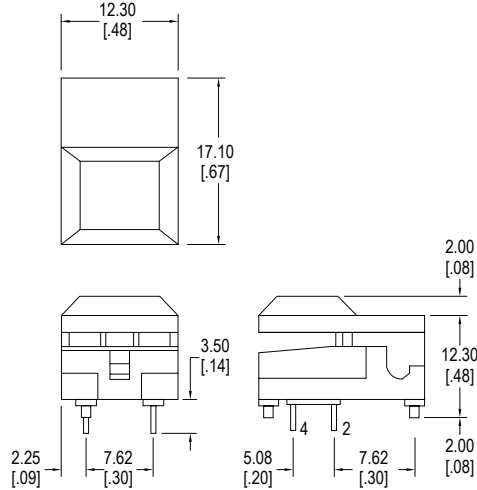
Materials

Cap	6/6 Nylon
Housing	6/6 Nylon
Stem	ABS
Contacts	Copper Alloy, Gold over Nickel Plated
Terminals	Copper Alloy, gold over Nickel Plated

Ordering Information

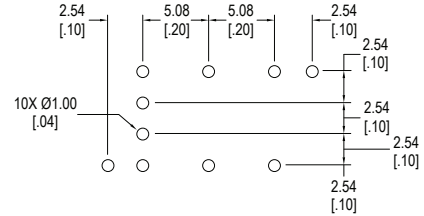
1. Series	JH	A1	3	1
JH				
2. Cap Style				
A0				
A1				
A2				
B0				
B1				
B2				
3. Cap Color				
1 = White	6 = Orange			
2 = Black	7 = Blue			
3 = Red	9 = Light Gray			
4 = Yellow	10 = Transparent			
5 = Green				
4. First LED Color				
Blank = No LED				
R = Red				
Y = Yellow				
G = Green				
5. Second LED Color				
Blank = No LED				
R = Red				
Y = Yellow				
G = Green				

Dimensions



PC Layout

Bottom View

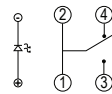


Schematics

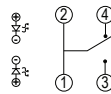
Non-Illuminated



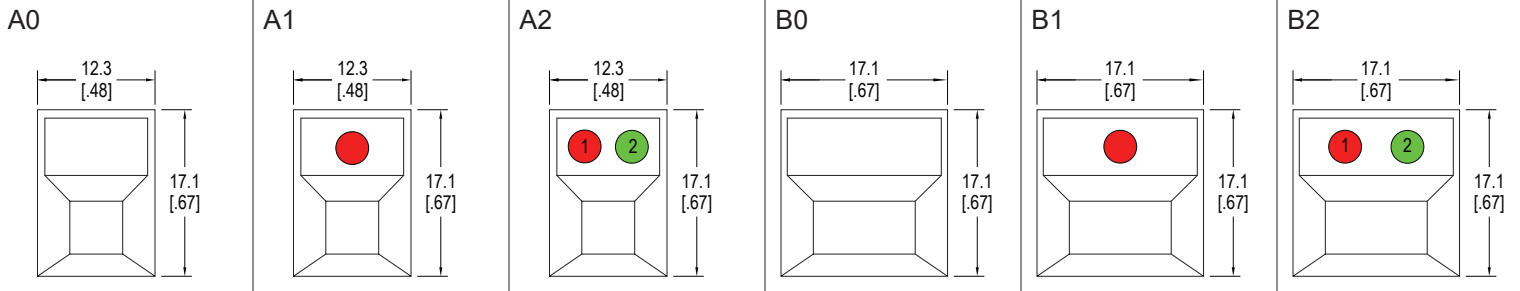
One LED



Two LED



Cap Options



LED Characteristics

LED Ratings		Color			
		R	G	Y	Units
Reverse Voltage	V_R	5	5	5	V
Forward Current (avg / peak)	I_F	30 / 125	30 / 125	30 / 125	mA
Reverse Current $V_R = 5V$	I_R	10	10	10	μA
Power Dissipation	P_T	69	81	81	mW
Forward Voltage (typ / max) $I_F = 20mA$	V_F	1.8 / 2.3	2.2 / 2.7	2.2 / 2.7	V
Wavelength at Peak Emmission, $I_F = 20mA$	λ_P	660	565	585	nm
Spectral Line Half-Width, $I_F = 20mA$	$\Delta\lambda$	24	30	35	nm
Luminous Intensity, $I_F = 20mA$	LI	4	6	6	mcd
Viewing Angle	Θ	150	150	150	deg