CIT RELAY & SWITCH
A Division of Circuit Interruption Technology, Inc.

CL1200

SPECIFICATIONS

Electrical Ratings	50mA @ 48VDC
Electrical Life	100,000 cycles typical
Contact Resistance	< 50 mΩ initial
Actuation Force	160 +/- 50gF
Actuator Travel	.25 +/- .1mm
Dielectric Strength	1000Vrms min
Insulation Resistance	> 100MΩ min
Operating Temperature Storage Temperature	-40°C to 85°C -40°C to 85°C

MATERIALS ←RoHS COMPLIANT

Actuator	6/6 Nylon
Housing	6/6 Nylon
Cover	PC
Contacts	Stainless Steel, Silver Plated
Terminals	Brass, Silver Plated

ORDERING INFORMATION

1. Series:	CL1200	A	2	2	R	G

1. Series:
CL1200

2. Cap Style:
Blank = No Cap
A = Square Cap
B = Round Cap

3. Frame Color:
Blank = No Frame
2 = Black
9 = Gray

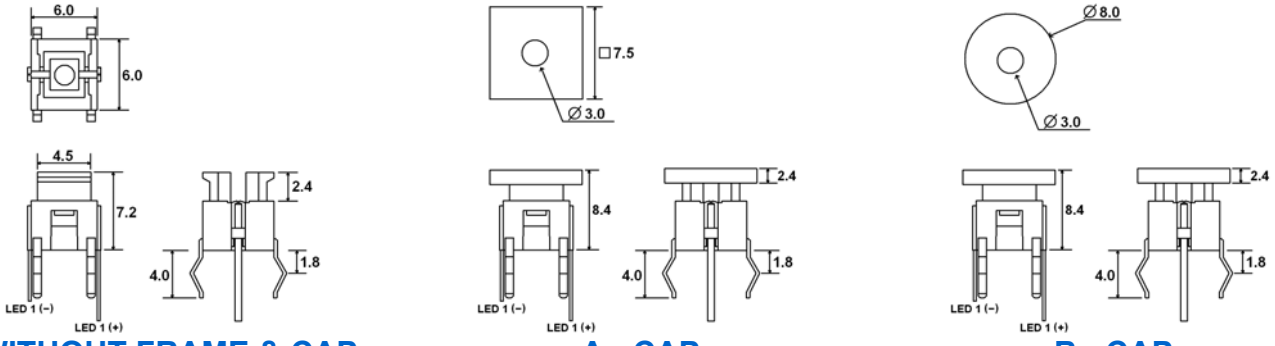
4. Cap Color:
Blank = No Cap
2 = Black
3 = Red
4 = Yellow
5 = Green
9 = Gray

5. First LED Color:
N = No LED
R = Red
G = Green
Y = Yellow
B = Blue

**Not Available in Bi-color
RS = Super Bright Red
GS = Super Bright Green
YS = Super Bright Yellow
BS = Super Bright Blue

6. Second LED Color: **For Bi-color LED Option
Blank = No Second LED
R = Red
G = Green
Y = Yellow
B = Blue

DIMENSIONS



WITHOUT FRAME & CAP | A - CAP | B - CAP

Website: www.citswitch.com

Tel: 763-535-2339 Fax: 763-535-2194

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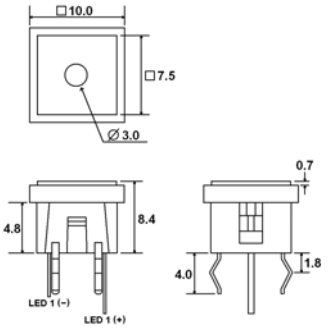
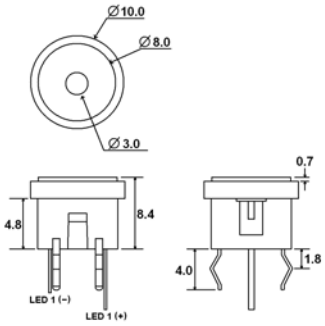
DIMENSIONS

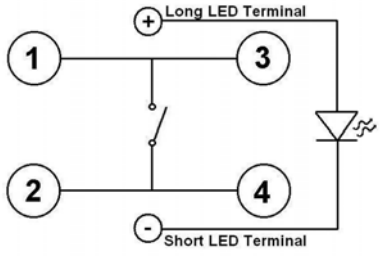


A - FRAME & CAP

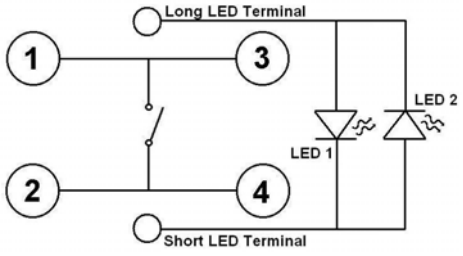


B – FRAME & CAP

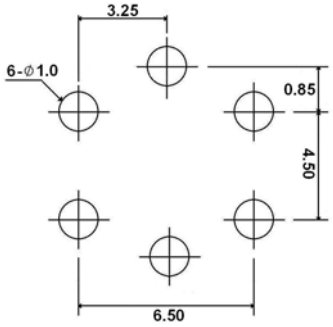
SCHEMATIC & PC LAYOUT



SINGLE COLORED LED



BI-COLORED LED



LED SPECIFICATIONS

LED Ratings		Value								Units
		R	G	Y	B	RS	GS	YS	BS	
Reverse Voltage	V_R	5	5	5	5	5	5	5	5	V
Forward Current (avg)	I_F	30	30	30	30	30	25	30	30	mA
Forward Current (peak)	I_{FS}	160	150	140	150	155	140	150	150	mA
Reverse Current V_R = 5V	I_R	10	10	10	10	10	10	10	10	μA
Power Dissipation	P_T	105	105	105	105	100	105	125	105	mW
Operating Temperature	T_A	-40~ +85								°C
Storage temperature	T_{STG}	-40~ +85								°C
Forward Voltage (typ.), I_F = 20mA	V_F	2	2.1	2.1	3.5	1.85	2.2	2.0	3.5	V
Forward Voltage (max.), I_F = 20mA	V_F	2.5	2.5	2.5	4.0	2.5	2.5	2.5	4.0	V
Capacitance, VF = 0V, f = 1MHz	CO	15	20	20	100	45	15	25	100	pF
Wavelength at Peak Emmission, I_F = 20mA	λ_P	627	568	590	468	660	565	590	468	nm
Spectral Line Half-Width, I_F = 20mA	$\Delta\lambda$	45	26	35	25	20	30	28	25	nm
Luminous Intensity, I_F = 20mA	LI	69	98	29	99	598	599	698	648	mcd
Viewing Angle	Θ	20	20	20	20	20	20	20	20	Deg