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

MH

SPECIFICATIONS





Electrical Ratings	.4 VA max @ 20VAC or VDC max
Electrical Life	50,000 cycles typical
Contact Resistance	< 50 mΩ max initial
Dielectric Strength	250Vrms min
Actuation Force	500 +/- 100gF
Travel	2.0 +/- .2mm
Insulation Resistance	> 100MΩ min
Operating Temperature Storage Temperature	-20°C to 70°C -20°C to 70°C

MATERIALS ←RoHS COMPLIANT

Actuator	PC
Cap	6/6 Nylon, glass filled
Cover	Steel, Tin Plated
Housing	6/6 Nylon, glass filled
Spacer	Rubber
Contacts	Stainless Steel, Gold Plated
Terminals	Brass, Gold Plated

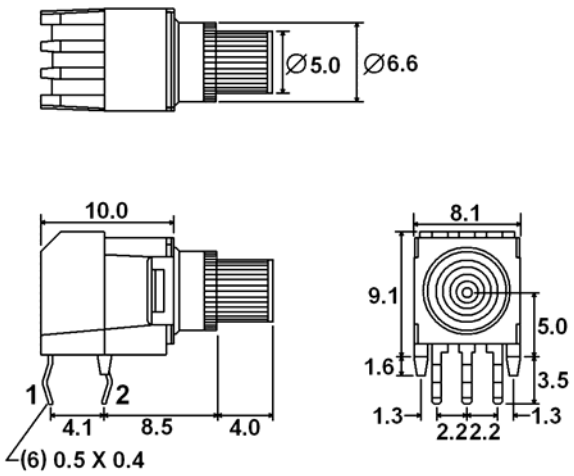
ORDERING INFORMATION

Series:	**MH**	**PG**
MH MHC (with black cap)		

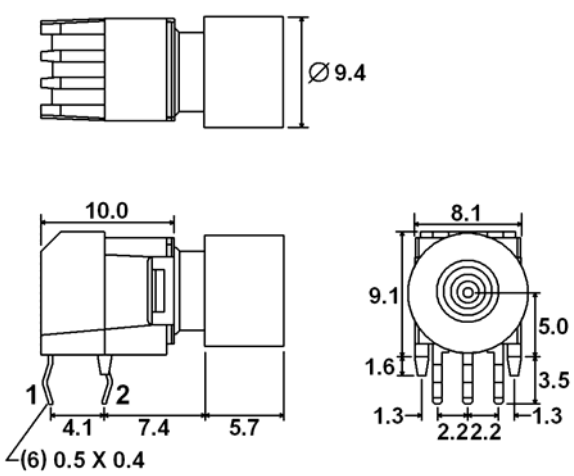
LED Colors:

X = No LED	RY = Red/Yellow dual LED
R = Red	RG = Red/Green dual LED
Y = Yellow	RB = Red/Blue dual LED
G = Green	YG = Yellow/Green dual LED
PG = Pure Green	YB = Yellow/Blue dual LED
B = Blue	GB = Green/Blue dual LED
W = White	****White & Pure Green are only available as a single color LED**

DIMENSIONS



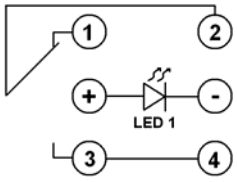
WITHOUT CAP

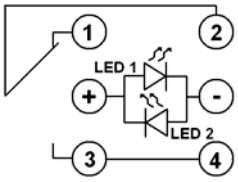


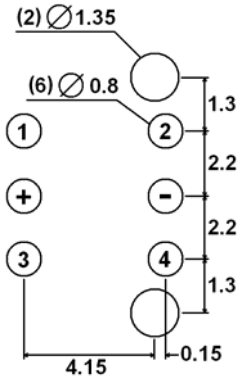
WITH CAP

www.citswitch.com
phone – 763.535.2339 fax – 763.535.2194

SCHEMATICS & PC LAYOUT (BOTTOM VIEWS)







LED CHARACTERISTICS

LED Ratings		COLORS						
		R	Y	G	B	PG	W	Units
Reverse Voltage	V_R	5	5	5	5	5	5	V
Forward Current (avg)	I_F	30	30	20	30	30	30	mA
Forward Current (peak)	I_{FS}	90	60	80	100	100	100	mA
Reverse Current V_R = 5V	I_R	10	10	10	50	50	50	μA
Power Dissipation	P_T	75	75	60	120	120	120	mW
Operating & Storage Temperature	T_A	-40~ +85						°C
Forward Voltage (typ.), I_F = 20mA	V_F	1.5	1.7	1.7	3.5	3.5	3.5	V
Forward Voltage (max.), I_F = 20mA	V_F	2.4	2.6	2.6	4.0	4.0	4.0	V
Wavelength at Peak Emission, I_F = 20mA	λ_P	630	590	585	470	525	N/A	nm
Spectral Line Half-Width, I_F = 20mA	$\Delta\lambda$	20	20	35	30	36	N/A	nm
Luminous Intensity, I_F = 20mA	LI	900	450	30	1800	1100	3000	mcd
Viewing Angle	Θ	30	30	30	30	30	30	Deg