



MATERIALS

FIXED CONTACTS AND TERNINALS: Stainless steel,silver plated with gold flash (STD.) MOVABLE CONTACTS: Copper alloy,silver plated with gold flash (STD.).

ACTUATOR: Glass filled nylon 6/6 (UL94V-0). BASE: Glass filled LCP (UL94V-0). COVER: Stainless steel.

WITH LED ELECTRO-OPTICAL DATA :

Lens Appearance	Color	Electro-optical Data (AT 20mA)					Viewing Angle
		Vf(V)		lv(mcd)		Peak wavelength	
		Тур.	Max.	Min.	Тур.	wavelengui	(deg)
Water Clear	Red	2.3	2.6	13	13	700	
	Yellow	2.1	2.6	30	30	585	35°
	Green	2.2	2.6	50	50	568	

SPECIFICATIONS

ELECTRICAL

MAXIMUN POWER: 3.5 VA. MIN./MAX. VOLTAGE: 20 mV - 50 VDC. MIN./MAX. CURRENT: 0.01mA - 250 mA. INSULATION RESISTANCE: $\geq 10^{9} \Omega$. CONTACT RESISTANCE: $\geq 50 m \Omega$. DIELECTRIC STRENGTH: $\geq 250 Vrms$.

MECHANICAL

OPERATING FORCE: 2.5 N at Full Travel. SWITCHING TRAVEL: .130" (2.95mm). LATCH TRAVEL: .131" (3.3mm). FULL TRAVEL: .200" (5.1mm).

OPERATING ENVIRONMENT

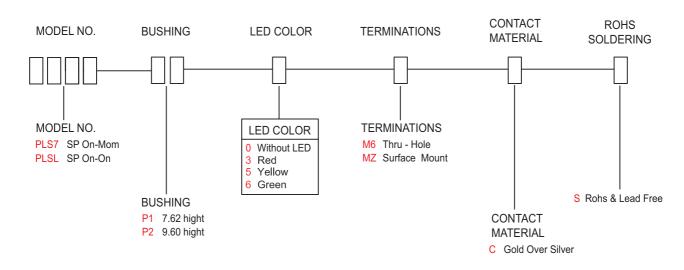
OPERATING TEMPERATURE: -30°C TO 85°C. STORAGE TEMPERATURE: -30°C TO 85°C. RELATIVE HUMIDITY: 90% R.H. @80°C. OPERATING LIFE: 30,000 Cycles. VIBRATION: Per EIA 186-E Methods 7 & 8. MECHANICAL SHOCK: Per EIA 186-E Methods 12.

PROCESS ENVIRONMENT

SOLDERABILITY: According to Mil STD 202F Method 208D or EIA RS-186E Method 9.

LEAD FREE PROCESS COMPATIBLE: 260°C peak, 10 seconds Max. above 250°C.

HOW TO ORDER





SWITCH FUNCTION

		SWITCH FUNCTION		CONNECTED TERMINALS			
NO. POLES	MODEL NO.	POS.1	POS.2	POS.1	POS.2	SCHEMATIC	
				1	1		
SP	PLS7	ON	ON(MOM)	3-4	2-3		
SP	PLSL	ON	ON	3-4	2-3		

MOM=MOMENTARY

.201 5.10

In

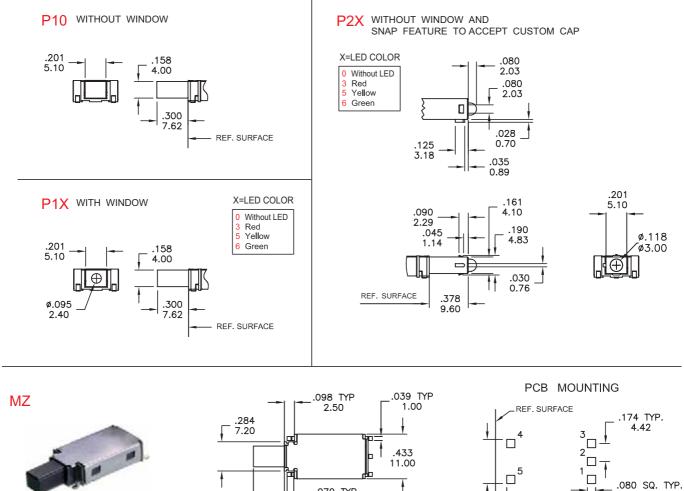
h

.158 4.00

PCB SURFACE

SPDT





.070 TYP

1.78

.810

20.65

.827 21.00 .855 21.73

.080 SQ. TYP. 2.03

-1

.862 21.89

.428 10.86

.011 2.73

.006

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0.15 .215 5.45

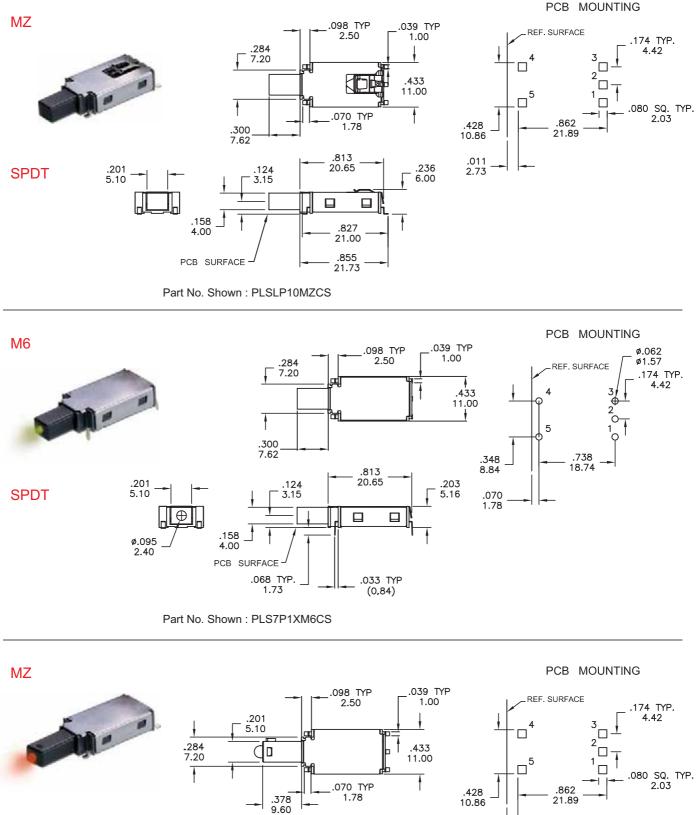


.124 3.15

1

.300 7.62





Part No. Shown : PLS7P2XMZCS

.124 3.15

f

.190 4.83

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.161 4.10

PCB SURFACE

ø.118 ø3.00

 $\mathbf{\overline{\Theta}}$

Right Angle Illuminated Latching

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Pushbutton Switches

SPDT

.813

20.65

.827

21.00

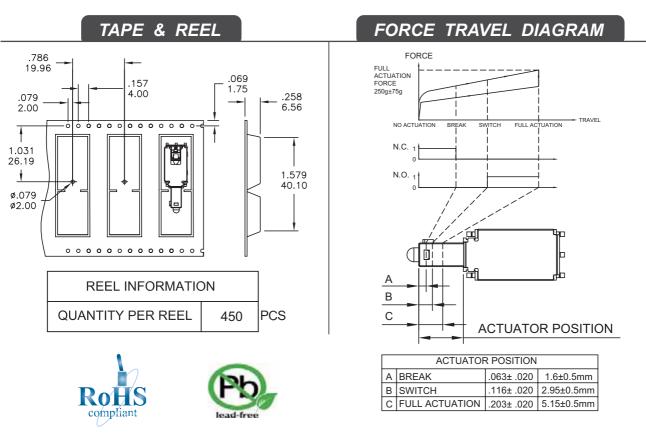
.855 21.73

.006 0.15 ____.215 _____5.45

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.011 2.73





SOLDERING PROCESSES

WAVE SOLDERING : Recommended Soldering Temperature:260±5°C Duration of Solder Immersion: 5 ±1 seconds (PCB is 1.6mm in thickness)

SOLDERING : Vapor phase & IR- reflow soldering can be applied.

