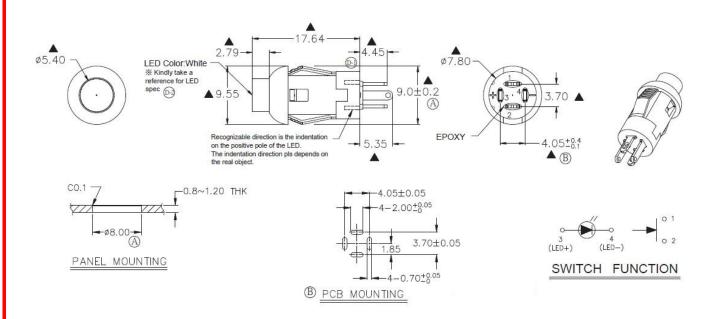




Product Datasheet PBL Pushbutton Switches









Specification:

ENGLISH

SWITCH TYPE:		Pushbutton				
POLES/THROWS:		SPST				
SWITCH FUNCTIONS:		OFF-ON				
S	CONTACT RATING:	MAX. 0.1Amps @ 30VDC				
CHARACTERISTICS	ELECTRICAL LIFE:	50,000 make-and-break cycles at full load				
RACTE	CONTACT RESISTANCE:	50m-ohms max. initial @ 1.5VDC, 100mA				
ELECTRICAL CHAF	INSULATION RESISTANCE:	Apply 500VDC for 1min±5sec. After which measurement to be made b/w terminals shall result 100M-ohms min.				
	DIELECTRICAL STRENGTH:	500VAC (50Hz-60Hz) RMS @ sea level shall result no damage to parts arcing or flashover				
	OPERATING TEMPERATURE:	-40Celsius degree to +85Celsius degree				
	MECHANICAL LIFE:	Without load, 50,000cycles min.				
OE	OPERATING FORCE:	250±100gf max.				
RELAIBILITY PERFORMANCE	COLD TEST:	Stored at temperature -40(+/-3)Celsius degree for 96 hours, shall result no changes to switch's electrical performance.				
	HOT TEST:	Stored at temperature +85(+/-3)Celsius degree for 96 hours, shall result no changes to switch's electrical performance.				
	HUMIDITY TEST:	Stored at temperature 40(+/-2) Celsius degree with relative humidity 90%~95% for 96 hours, shall result no changes to switch's electrical performance.				

RS, Professionally Approved Products, gives you professional quality parts across all products categories. Our range has been testified by engineers as giving comparable quality to that of the leading brands without paying a premium price.



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ISTI	CAP	PC			
MATERIAL CHARACTERISTI CS	CASE & HOUSING	Nylon 6/6			
MATI CHAR CS	TERMINALS	Copper alloy with gold plated			
SOLDERING & CLEANING RECOMMENDATION	HAND SOLDERING:	Max. temperature @ 350±5 Celsius degree with continuous soldering time @ 5±1sec. max.			
	CLEANING PROCESS:	Noted, the switch is "not totally sealed" so it is important not to immerse/spray or clean unsealed areas of the switch during flux removal. Improper cleaning could cause switch deficiencies such as intermittence or open contact failures			
PACKAGE	INTERNAL PACKAGING:	100pcs per bag			
	RoHS IDENTIFICATIONS	A label marking "RoHS compliant" will be attached to the carton box.			

LED Electro-Optical Characteristics:

Model	Colour	Dominant Wavelength (λD)	IF=20mA VF(v) TYP.	IF=20mA VF(v) MAX.	IF=20mA IV(mcd) Min.	IF=20mA IV(mcd) TYP.	Viewing Angle 201/2=* °IF=5m A=5V	Lens Type
PB Lock	Super White	X:0.31 Y:0.31	3.30	4.00	900	1500	45∘	Water Clear
	Super Red	630	1.95	2.50	700	1300	45∘	Water Clear
	Yellow	588	2.10	2.50	12	25	45∘	Water Clear
	Amber	590	2.00	2.50	400	700	45∘	Water Clear
	Super Green	570	2.10	2.50	100	300	45∘	Water Clear

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Super Blue	470	3.30	4.00	700	1300	45∘	Water Clear
Pure Green	525	3.30	4.10	2700	3500	30∘	Water Clear
Super Red+	630	1.95	2.5	400	800	60∘	Water Clear
Super Green	570	2.1	2.5	30	80		
Amber +	590	2.0	2.5	300	600	60∘	Water Clear
Super Green	570	2.1	2.5	30	80		
Super Green	570	2.1	2.5	30	80	1 6()。	Water
+ Amber	590	2.0	2.5	300	600		Clear
Super Blue+ Super Green	470	3.3	4.0	80	160	60∘	Water Clear
	570	2.1	2.5	30	80		

RS P/N

820-7521	Led	colour:	RED		
820-7527	Led	colour:	WHITE		
820-7530	Led	colour:	YELLOW		
820-7533	Led	colour:	GREEN		
820-7537	Led	colour:	BLUE		
920 75 <i>1</i> 6	Led	colour:			
020-7340	Led colour: BLUE(GREEN)				