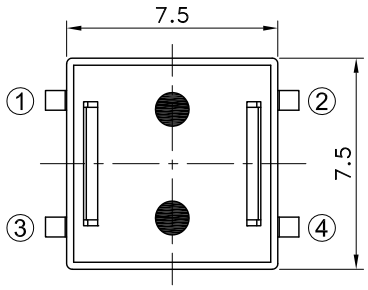
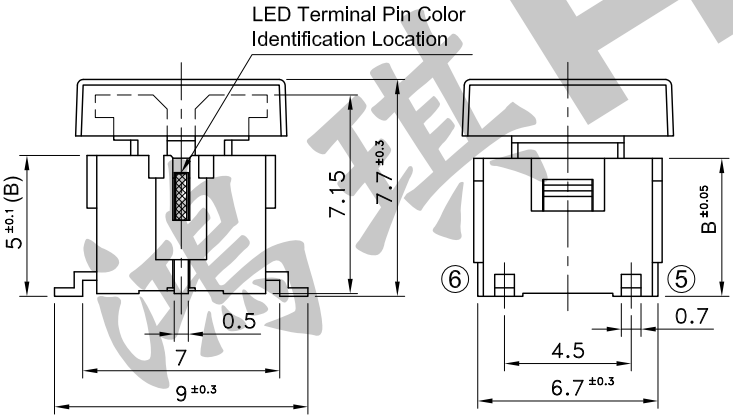
Part No.	LED Color
STS-226-L25	Red+Green
STS-226-L27	Red+Blue
STS-226-L58	Green+Yellow
STS-226-L59	Green+Orange
STS-226-L79	Blue+Orange
STS-226-L86	Yellow+White

LED Specifications

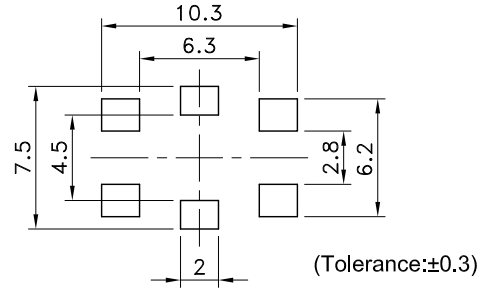
Color	Reverse Voltage	Forward Current Avg	Reverse Current Vr=5V	Pd (mW)	Forward Voltage Vf(at 20mA) V			Luminous Lntensity Iv(at 20mA) mcd		
					Min.	Typ.	Max.	Min.	Typ.	Max.
Blue	DC 5V	20mA	100μA	76mW	–	3.2	3.6	–	200	–
Orange	DC 5V	20mA	100μA	52mW	–	2.0	2.6	–	300	–
Green	DC 5V	20mA	100μA	52mW	–	2.0	2.6	–	100	–
Orange	DC 5V	20mA	100μA	52mW	–	2.0	2.6	–	300	–
Green	DC 5V	20mA	100μA	52mW	–	2.2	2.6	–	200	–
Yellow	DC 5V	20mA	100μA	52mW	–	2.2	2.6	–	1600	–
Yellow	DC 5V	20mA	100μA	52mW	–	2.2	2.6	–	80	–
White	DC 5V	20mA	1μA	72mW	–	3.2	3.6	–	200	–
Red	DC 5V	20mA	100μA	52mW	1.7	2.0	2.5	630	1600	2500
Blue	DC 5V	20mA	100μA	72mW	2.8	3.1	3.7	20	40	80
Red	DC 5V	20mA	100μA	52mW	–	2.0	2.6	210	450	–
Green	DC 5V	20mA	100μA	52mW	–	2.0	2.6	140	300	–





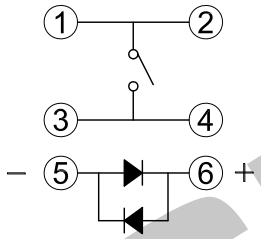
Parameter	Symbol	Condition	Color	Min.	Typ.	Max.	Unit
Dominant Wave Length	λd	IF=20mA	Blue	460	–	470	nm
			Orange	600	–	610	
Dominant Wave Length	λd	IF=20mA	Green	565	–	575	nm
			Orange	600	–	610	
Dominant Wave Length	λd	IF=20mA	Green	566	–	576	nm
			Yellow	584	–	594	
Dominant Wave Length	λd	IF=20mA	Yellow White	590 (0.29,0.29)			nm (x,y)
Dominant Wave Length	λd	IF=20mA	Red	625	630	635	nm
			Blue	465	470	475	
Dominant Wave Length	λd	IF=20mA	Red	620	–	630	nm
			Green	566	–	576	

P.C.B TERMINAL POSITION

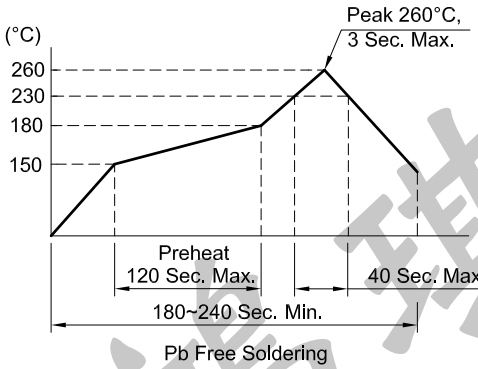


(Tolerance:±0.3)

CIRCUIT ARRANGEMENT



SOLDERING CONDITIONS



SPECIFICATIONS

1. Rating : DC 12V 50mA
2. Contact Resistance : 100mΩ Max.
3. Insulation Resistance : 100MΩ Min. at DC 100V
4. Dielectric Strength : AC 250V for 1 Minute
5. Operating Force : 160±50gf
6. Stroke : $0.25^{+0.2}_{-0.1}$ mm
7. Life : 100,000 Cycles
8. Package : 500 Pcs/Reel
9. Operating Temperature Range : -20~+70°C
10. Storage Temperature Range : -30~+80°C

REVISION:	DATE:	REVISION:	DATE:
UNIT:mm	THIRD ANGLE PROJECTION METHOD	TOL. UNLESS OTHERWISE STATED:±0.3	CODE NO.: HCH-2602

ISSUED	CONFIRMED		PART NO.
John	Elvis	HCH® ISO9001 Certified ISO14001 Certified HORNG CHIH 鴻琪股份有限公司	STS-226
2025.10.15	2025.10.15		

鴻琪 HCH