

	Emitting col	Emitting color		Red	bright green	green	Blue BS
	Order code	YS	RS	VS	GS		
item	unit						
1	Peak wavelength typ.	nm	590	650	574	520	468
	Dominant Wave length						
	@IF=20mA						
2		typ.nm	590	630	567	525	470
	spectral Line Half-width						
3	@IF=20mA	typ.nm	20	28	20	35	21
	Capacitance						
4	VF=0V;f=1MHZ	typ.pF	20	35	15	100	100
	Forward voltage	typ. V	2	1,95	2,1	3,2	3,2
5	@IF=20mA	max.V	2,5	2,5	2,5	4	4
	Reverse current						
6	@VR=5V	uA	10	10	10	10	10
7	ESD	V	2000	2000	2000	1000	1000
8	Viewing Angle						
	@20mA 20 50% typ	0	145	145	145	145	145
	Luminous intensity	min. mcd	80	120	20	80	20
9	@IF=20mA	typ. mcd	180	220	50	150	50
10	Material		AlGaInP	AlGalnP	AlGaInP	InGaN	InGaN
11	lens type		water clear	water clear	water clear	water clear	water clear

## Absolute Maximun Ratings (Ambient Temperature 25C)

Properties	Blue & green	Red	yellow	bright green	Unit
Power Dissipation	120	75	75	75	mW
Peak Forward current	100	185	175	150	mA
continuous Forward current	30	30	30	30	mA
Reverse voltage	5	5	5	5	V
ESD Threshold / HBM	1000	2000	2000	2000	V

## HANDLING ADVISE

1) The solder profile has to be complied with according to the technical reflow /or wave soldering specification, otherwise no warranty will be sustained

2) All products are supposed to be used before the end of the period of 12 months based on the product date-code, if not 100% solderability can't be warranted

3) Violation of the technical product specifications such as exceeding the absolute maximum ratings will be result in the loss of warranty

4) It's also recommended to return the products into the original packaging

5) ESD prevention methods need to be applicated for manual handling and processing by machinery

6) Resistors for protection are obligatory

7) The standard deliveries include values in the range and limitation as defined in the Electrical & Optical Properties specified in the datasheet.On each reel, only one bin is sorted and taped. The bin is defined on intensity, chromaticity coordinate or wavelength and forward voltage.In order to ensure highest availability, the reel binning of standard deliveries can vary. A single bin cannot be ordered.Please contact us in advance, if you need a particular bin sorting before placing your order to clarify the lead time, MOQ and pricing.

This electronic component is designed and developed with the intention	for use
in general electronics equipments.	

Before incorporating the components into any equipments in the field such as aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc. where higher safety and reliability are especially required or if there is possibility of direct damage or injury to human body, Wurth Elektronik must be asked for a written approval.

In addition, even electronic component in general electronic equipments, when used in electrical circuits that require high safety, reliability functions or performance, the sufficient reliability evaluation-check for the safety must be performed before by the user before usage.

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						Date	Name	DESCRIPTION
					Drawn	13-10-02	Fandrey	SwTLT
					Checked			WS-TLT 12x12mm Tact Switch with integrated LED, THT
								version
					WE eiCan	Würth Ele	ktronik	Scale 2:1 Position SIZE
					eiCan			Drawing No. 440xx67082622
	REV	FILE	DATE	BY	EDV NO440xx67082622.dft		2622.dft	System :Solid Edge V20