

item	Emitting color		Red	bright green
	Order code	unit	RS	VS
1	Peak wavelength typ.	nm	650	574
2	Dominant Wave length @IF=20mA	typ.nm	630	567
	spectral Line Half-width @IF=20mA			20
3	Capacitance VF=0V;f=1MHZ	typ.pF	35	15
4	Forward voltage @IF=20mA	typ. V	1,95	2,1
5	Reverse current @VR=5V	max.V	2,5	2,5
6	Viewing Angle @20mA 20 50% typ	°	145	145
7	Luminous intensity @IF=20mA	min. mcd	120	20
8	Material	typ. mcd	220	50
9	lens type		AlGaNp	AlGaNp
10			water clear	water clear
11				

Absolute Maximum Ratings (Ambient Temperature 25C)

Properties	Red	bright green	Unit
Power Dissipation	75	75	mW
Peak Forward current	185	150	mA
continuous Forward current	30	30	mA
Reverse voltage	5	5	V
ESD Threshold / HBM	2000	2000	V

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.

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 applied 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.

REV	FILE	DATE	BY	WE eiCan CAD	Projection	GENERAL TOLERANCE			Basic material
						x = +/- 0,2	xx = +/- 0,15		
					Drawn	13-10-02	Fandrey		DESCRIPTION
					Checked	13-10-02	Hsu		SwRPTL
									WS-RPTL 20x20 Rotary/Push button switch with Integrated LED, THT Type
									Scale 1,5:1 Position
									SIZE
									A4
									Drawing.- No. 481 RV121 72100
									System :Solid Edge ST4