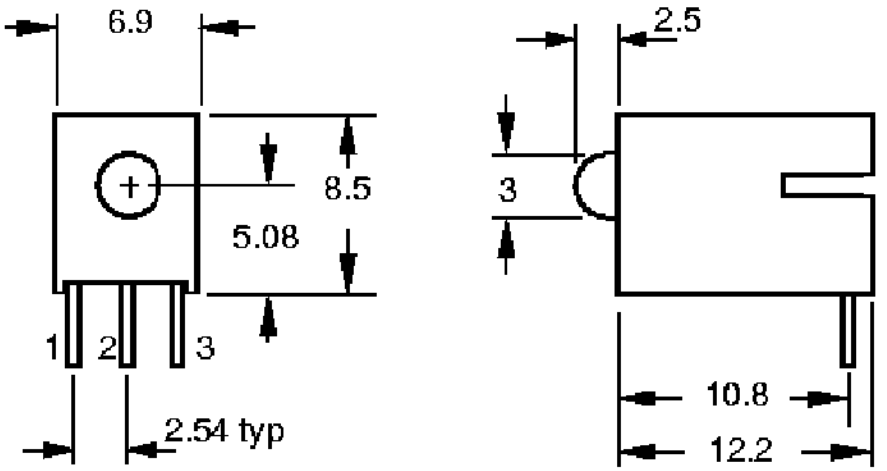
This right angle indicator is designed to use the three-leaded 3.0 mm bi-color round type LED lamp which has pins spaced on 2.54 mm centers in a single row. The LED lamp contains two integral chips which are matched for uniform light output. The 3-leaded bi-color lamps used for this part number are common anode.

RoHS Compliant
Aug 2004



Connections

Pin 1	Pin 2	Pin 3
Green -	Anode +	Red -

PART NO.	Chip		Lens Color
	Material	Emitted Color	
G963B/SG/R2	GaAlAs	Red	White Diffused
	GaP	Green	

* Specifications subject to change without notice. Dimensions are in mm±0.25 unless stated otherwise.

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Absolute Maximum Ratings at T_a = 25 °C

Parameter	Symbol	Rating		Units
Forward Current	I_F	SR	40	mA
		VG	30	
Operating Temperature	T_{opr}	-40 to +85		°C
Storage Temperature	T_{stg}	-40 to +100		°C
Soldering Temperature	T_{sol}	260 ± 5		°C
Power Dissipation	P_d	SR	110	mW
		VG	100	
Peak Forward Current (Duty 1/10 @ 1KHz)	I_F (Peak)	SR	180	mA
		VG	160	
Reverse Voltage	V_R	5		V

Electronic Optical Characteristics

Parameter	Symbol		Min.	Typ.	Max.	Units	Condition
Luminous Intensity	I_V	SR	2.5	3.5	—	mcd	I_F = 20 mA
		VG	2.5	3.5	—		
Viewing Angle	$2\theta_{1/2}$		—	50	—	deg	I_F = 20 mA
Peak Wavelength	λ_p	SR	—	660	—	nm	I_F = 20 mA
		VG	—	570	—		
Dominant Wavelength	λ_d	SR	—	643	—	nm	I_F = 20 mA
		VG	—	571	—		
Spectrum Radiation Bandwidth	$\Delta\lambda$	SR	—	20	—	nm	I_F = 20 mA
		VG	—	30	—		
Forward Voltage	V_F	SR	1.5	1.7	2.4	V	I_F = 20 mA
		VG	1.7	2.1	2.4		
Reverse Current	I_R		—	—	10	μA	V_R = 5 V

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