

**IEGW9253**

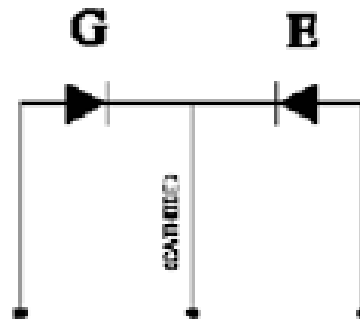
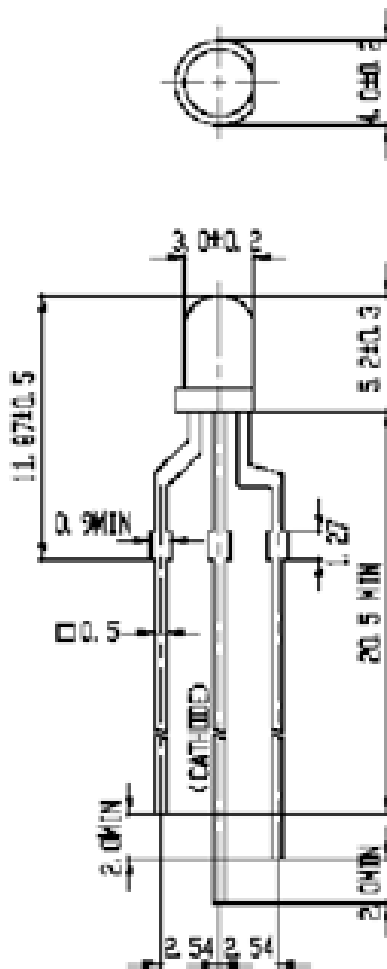
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This is a T-1 3-mm bi-color LED with common cathode and 0.1-inch lead pitch.



RoHS Compliant  
Aug 2004



PART NO.	Chip		Lens Color
	Material	Emitted Color	
IEGW9253	GaAsP/GaP	Orange	White Diffused
	GaP	Green	

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

**Absolute Maximum Ratings at  $T_a = 25\text{ }^\circ\text{C}$** 

Parameter	Symbol	Rating	Units
Forward Current	$I_F$	30	mA
Operating Temperature	$T_{opr}$	-40 to +85	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-40 to +100	$^\circ\text{C}$
Soldering Temperature	$T_{sol}$	$260 \pm 5$	$^\circ\text{C}$
Power Dissipation	$P_d$	E: 100	mW
		G: 100	
Peak Forward Current (Duty 1/10 @ 1KHz)	$I_F$ (Peak)	E: 160	mA
		G: 160	
Reverse Voltage	$V_R$	5	V

**Electronic Optical Characteristics**

Parameter	Symbol	Min.	Typ.	Max.	Units	Condition	
Luminous Intensity	$I_V$	E	1.6	2.5	—	mcd	$I_F = 10\text{ mA}$
		G	2.5	4.0			
Viewing Angle	$2\theta_{1/2}$	—	70	—	deg	$I_F = 20\text{ mA}$	
Peak Wavelength	$\lambda_p$	E	—	635	—		nm
		G	—	565			
Dominant Wavelength	$\lambda_d$	E	—	625	—		nm
		G	—	570			
Spectrum Radiation Bandwidth	$\Delta\lambda$	E	—	45	—		nm
		G	—	30			
Forward Voltage	$V_F$	E	1.7	2.0	2.4	V	
		G	1.7	2.1	2.4		
Reverse Current	$I_R$	—	—	10	$\mu\text{A}$	$V_R = 5\text{ V}$	

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