IVGC0128

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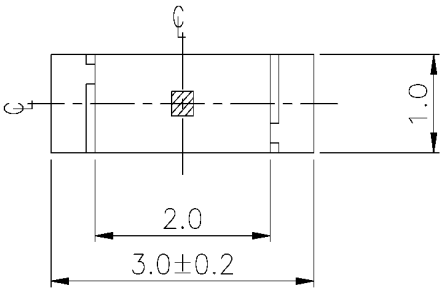
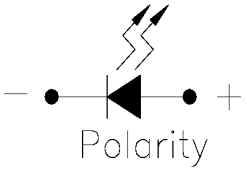
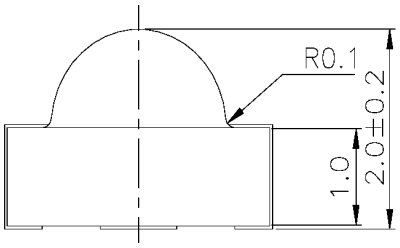
IDEA, Inc.

These lamps are miniature chip type designed for surface mounting.

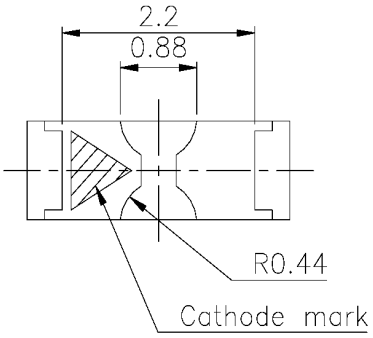
RoHS Compliant
Aug 2004

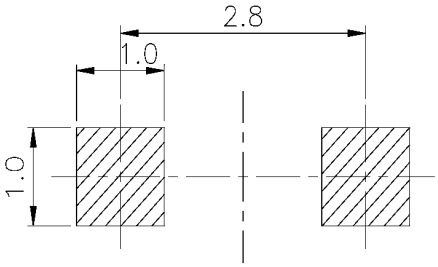






For reflow soldering (propose)





PART NO.	Chip		Lens Color
	Material	Emitted Color	
IVGC0128	GaP	Green	Water Clear

* Specifications subject to change without notice. Dimensions are in mm±0.1 unless stated otherwise.

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Absolute Maximum Ratings at T_a = 25 °C

Parameter	Symbol	Rating	Units
Forward Current	I_F	30	mA
Operating Temperature	T_{opr}	-40 to +85	°C
Storage Temperature	T_{stg}	-40 to +90	°C
Soldering Temperature	T_{sol}	260 (for 5 seconds)	°C
Power Dissipation	P_d	100	mW
Peak Forward Current (Duty 1/10 @ 1KHz)	I_F (Peak)	160	mA
Reverse Voltage	V_R	5	V

Electronic Optical Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Units	Condition
Luminous Intensity	I_V	6.0	10.0	—	mcd	I_F = 20 mA
Viewing Angle	$2\theta_{1/2}$	—	120	—	deg	I_F = 20 mA
Peak Wavelength	λ_p	—	570	—	nm	I_F = 20 mA
Dominant Wavelength	λ_d	—	571	—	nm	I_F = 20 mA
Spectrum Radiation Bandwidth	$\Delta\lambda$	—	30	—	nm	I_F = 20 mA
Forward Voltage	V_F	1.7	2.1	2.4	V	I_F = 20 mA
Reverse Current	I_R	—	—	10	μA	V_R = 5 V