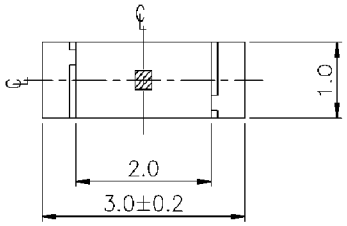
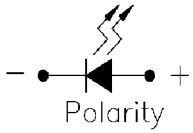
JDC0128

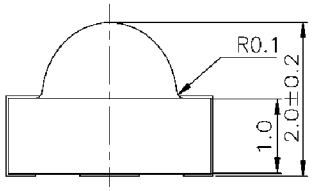
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These lamps are miniature chip type designed for two-way surface mounting. Mounted normally, these lamps can be used as circuit board status indicators or as backlight for switches or key pads. Mounted at right angles these lamps are miniature through the panel indicators.

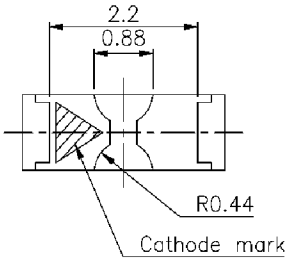
RoHS Compliant
Aug 2004

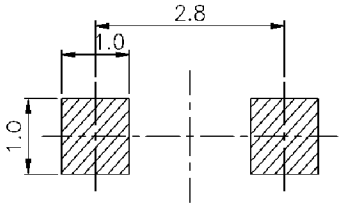






For reflow soldering (propose)





PART NO.	Chip		Lens Color
	Material	Emitted Color	
JDC0128	AlGaInP	Super Deep-Red	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	25	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
Electrostatic Discharge	ESD	2000	V
Power Dissipation	P_d	60	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	12	18	—	mcd	I_F = 20 mA
Viewing Angle	$2\theta_{1/2}$	—	120	—	deg	I_F = 20 mA
Peak Wavelength	λ_p	—	650	—	nm	I_F = 20 mA
Dominant Wavelength	λ_d	—	639	—	nm	I_F = 20 mA
Spectrum Radiation Bandwidth	$\Delta\lambda$	—	20	—	nm	I_F = 20 mA
Forward Voltage	V_F	—	2.0	2.4	V	I_F = 20 mA
Reverse Current	I_R	—	—	10	μA	V_R = 5 V

IDEA, Inc., 1351 Titan Way, Brea, CA 92821 Ph:714-525-3302, 800-LED-IDEA; Fax: 714-525-3304 0507