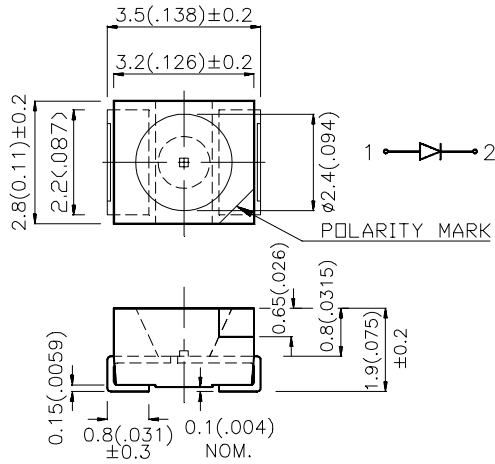


Package Dimensions

3.5x2.8mm SURFACE MOUNT LED LAMP

EA3528MGC

MEGA GREEN



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ " unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subject to change without notice.

Features

1. SINGLE COLOR.
2. SUITABLE FOR ALL SMT ASSEMBLY AND SOLDER PROCESS
3. AVAILABLE ON TAPE AND REEL.
4. IDEAL FOR BACKLIGHT

Description

The Mega Green source color devices are made with DH InGaAlP on GaAs substrate Light Emitting Diode.

Selection Guide

Part No.	Emitting Color +Material	$\lambda D(nm)$	Lens Type	Iv (mcd) @ 20 mA		Viewing Angle
				Min.	Typ.	2 θ 1/2
EA3528MGC	InGaAlP	568	WATER CLEAR	80	150	120°

Note:

1. $\theta 1/2$ is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

DATA NO :EA0106

REV NO :V1

DATE :AUG/30/2001

Electrical / Optical Characteristics at $T_A=25^\circ\text{C}$

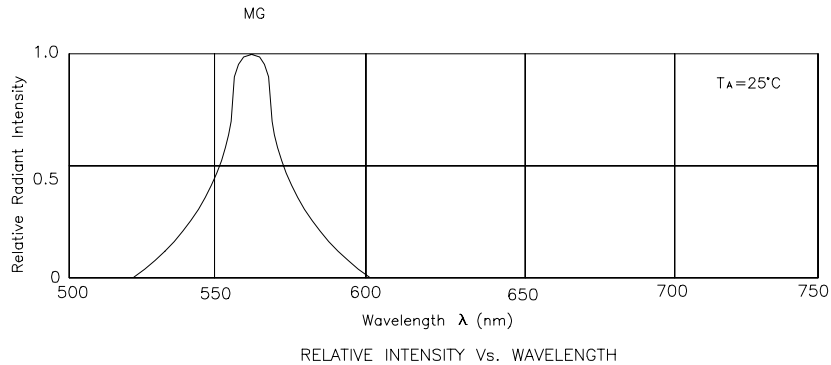
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Mega Green	574		nm	$I_F=20\text{mA}$
λ_D	Dominate Wavelength	Mega Green	568		nm	$I_F=20\text{mA}$
$\Delta\lambda_{1/2}$	Spectral Line Halfwidth	Mega Green	26		nm	$I_F=20\text{mA}$
C	Capacitance	Mega Green	20		pF	$V_F=0\text{V}; f=1\text{MHz}$
V_F	Forward Voltage	Mega Green	2.1	2.5	V	$I_F=20\text{mA}$
I_R	Reverse Current	Mega Green		10	μA	$V_R = 5\text{V}$

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

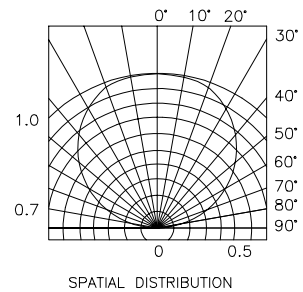
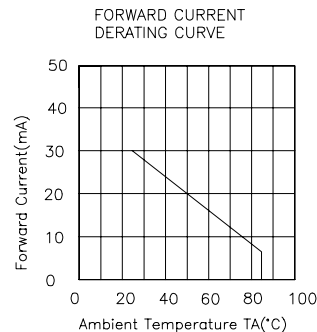
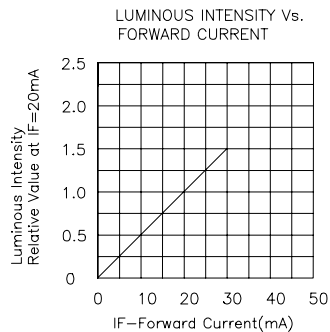
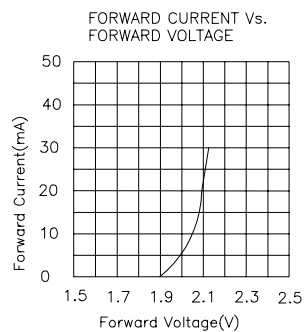
Parameter	Mega Green	Units
Power dissipation	105	mW
DC Forward Current	30	mA
Peak Forward Current [I]	205	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	

Note:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.



Mega Green EA3528MGC



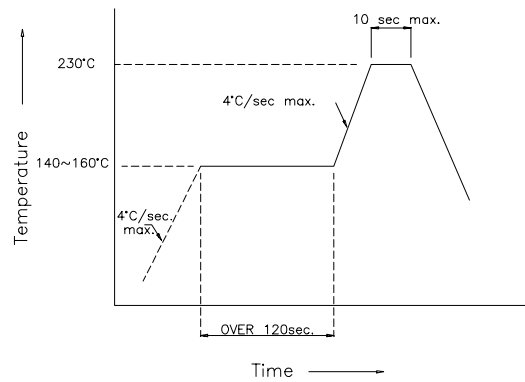
DATA NO :EA0106

REV NO :V1

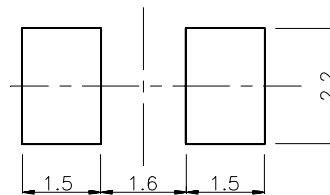
DATE :AUG/30/2001

EA3528MGC SMT Reflow Soldering Instructions

Number of reflow process shall be less than 2 times and cooling process to normal temperature is required between first and second soldering process.



EA3528MGC Recommended Soldering Pattern (Units : mm)



EA3528MGC Tape Specifications (Units : mm)

PACKAGE : 1500PCS / REEL

