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DR	REVISIONS			DDC, NO, SPC-F004 * Effective; 12/21/98 * DCP No; 680					
;	DCP # REV DESCRIPTION			DRAWN	DATE	СНЕСКО	DATE	APPRVD	DATE
	266	Α	RELEASED	HYD	7/28/00	JC	10/19/00	DIC	10/19/00
	PACKAGE DIMENSIONS								



- 1. LOW POWER CONSUMPTION.
- 2. IC COMPATIBLE.
- 3. LONG LIFE AND RELIABLE.

DESCRIPTION

1. High Efficiency Red source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Orange Light Emitting Diode.

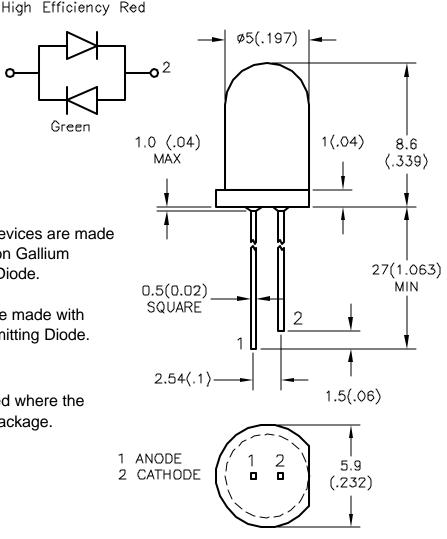
1 O

Green

2. The Green source color devices are made with Gallium Phosphide Green Light Emitting Diode.

Note:

Lead spacing is measured where the leads emerge from the package.



DICE	LENS TYPE	lv (mcd)	@ 20 mA	Viewing Angle 201/2	
		MIN	MAX		
High Efficiency Red (GaAsP/GaP)	White Diffused	8	40	60'	
Green (GaP)	White Diffused	5	20	60'	

Notes:

 θ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value. SPC-F004.DWG

Discladner; All statements and technical information contained herein are based upon information and/or tests we beleve to be accurate and reliable. Since conditions of use are bettond due control, the user shall determine the subdality of the product for the infonded use and assume all risk and liability whatsoever in connection therewith.				multicomp							
	DRAWN BY:	DATE:	DRAWING TITLE:								
Tolerance Unless	HISHAM ODISH	7/28/00		BI-COL	OR LED 5mm, F	RED-(GREEN				
Otherwise Specified	CHECKED BY:	DATE:	SIZE	DWG. NO.		ELEC	TRONIC FILE	REV			
.XX ±0.25(0.01")	JOHN COLE	10/19/00	Α	MCL-	-57EGW	92	2N5366.DWG	A			
	APPROVED BY:	DATE:				۱ ۲					
	DANIEL CAREY	10/19/00	SCAL	E: NTS	U.O.M.: MM (INCHES)	SHEET: 1 OF	- 3			

Electrical/Optical Characteristics at T_A=25°C

SYMBOL	PARAMETER	DEVICE	TYP.	MAX.	UNITS	TEST CONDITIONS	
λpeak		High Efficiency Red	625				
	Peak Wavelength	Green	565		nm	IF = 20mA	
$\Delta\lambda 1/2$	Spectral Line Halfwidth	High Efficiency Red	45		nm	IF = 20mA	
$\Delta n / 2$		Green	30		nm	IF = 20MA	
C	Capacitance	High Efficiency Red	12		~ ~ [VF=0V; f=1MHz	
		Green	45		рF		
	Forward Voltage	High Efficiency Red	2.0	2.5	N		
V _F		Green	2.2	2.5	V	IF = 20mA	
l _R	Reverse Current	All	10		uА	VR=5V	

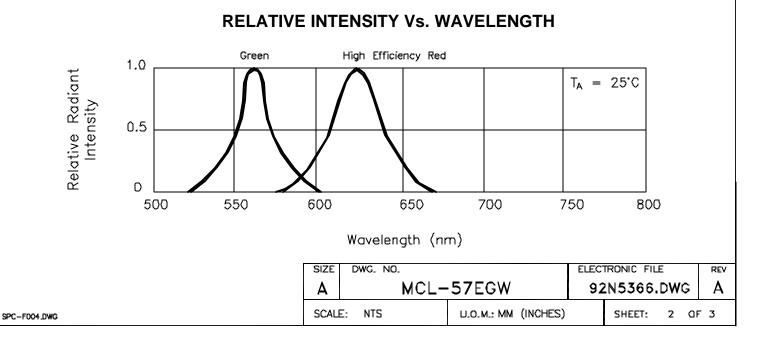
Absolute Maximum Ratings at T_A=25°C

Color	Power dissipation (mW)	DC Forward Current (mA)	Peak Forward Current [1] (mA)	Reverse Operating/Storage Voltage Temperature (V) (°C)		Lead Soldering Temperature [2] (°C)
High Efficiency Red	105	30	150	5	-40°C ~ +85°C	260°C for 5 sec
Green	105	25	150	5	-40°C ~ +85°C	260°C for 5 sec

Notes:

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

2. 4mm below package base.



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