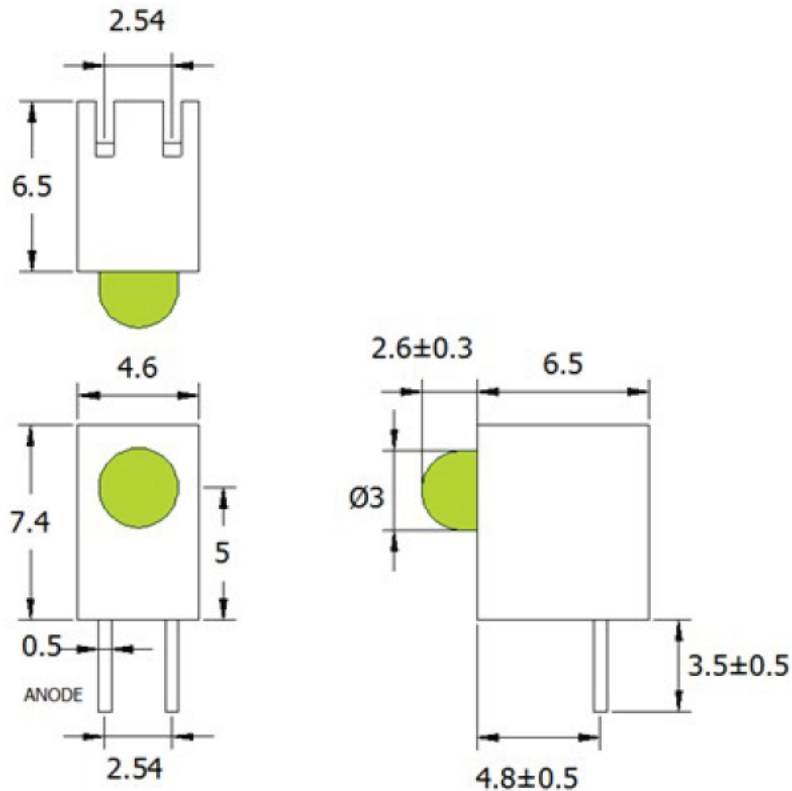


PACKAGE SIZE: 3.0mm Round Flangeless With Housing

DICE MATERIAL: GaP PEAK WAVE LENGTH(nm) 568

EMITTED COLOR: Green VIEWING ANGLE (deg): 50

LENS COLOR: Green Diffused IV(mcd): 8

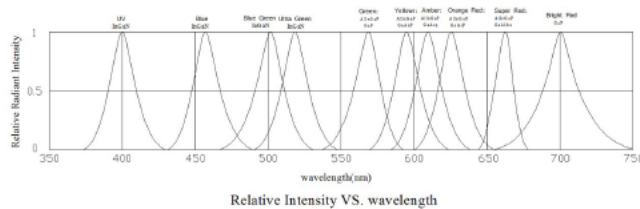


**ELECTRICAL/ OPTICAL CHARACTERISTICS AT Ta = 25°C**

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	TEST
Luminous Intensity	IV	4	8	12	med	IF = 2mA
Viewing Angle	2θ 1/2		50		deg	
Peak Emission Wavelength	λ p		568		nm	
Dominant Wavelength	λ D	566	568	572	nm	
Spectral Line Half-Width	Δλ		30		nm	
Forward Voltage	VF	1.7	1.9	2.2	V	
Power Dissipation	Pd			40	mW	
Peak Forward Current (Duty 1/10 @ 1KHZ)	IF (Peak)			50	mA	
Recommended Operating Current	IF (Rec)		2	20	mA	

• **ABSOLUTE MAXIMUM RATINGS** : ( Ta = 25°C )

Reverse Voltage	: 5 Volt
Reverse Current	: 10 <u>uA</u> ( VR=5V )
Operating Temperature Range	: -40°C TO 85°C
Storage Temperature Range	: -40°C TO 100°C
Lead Soldering Temperature Range	: 260°C For 5 Seconds
	<b>【1.6 mm (1/16 inch) from body】</b>



DIMENSIONS ARE IN MILLIMETERS  
TOLERANCE

· × ±0.5	ANGLE ±3°	SCALE
· × × ±0.1		REV A-1
· × × × ±0.05		
DRAWN Walter	DATE 10.09.23	
APPROVAL	DATE	

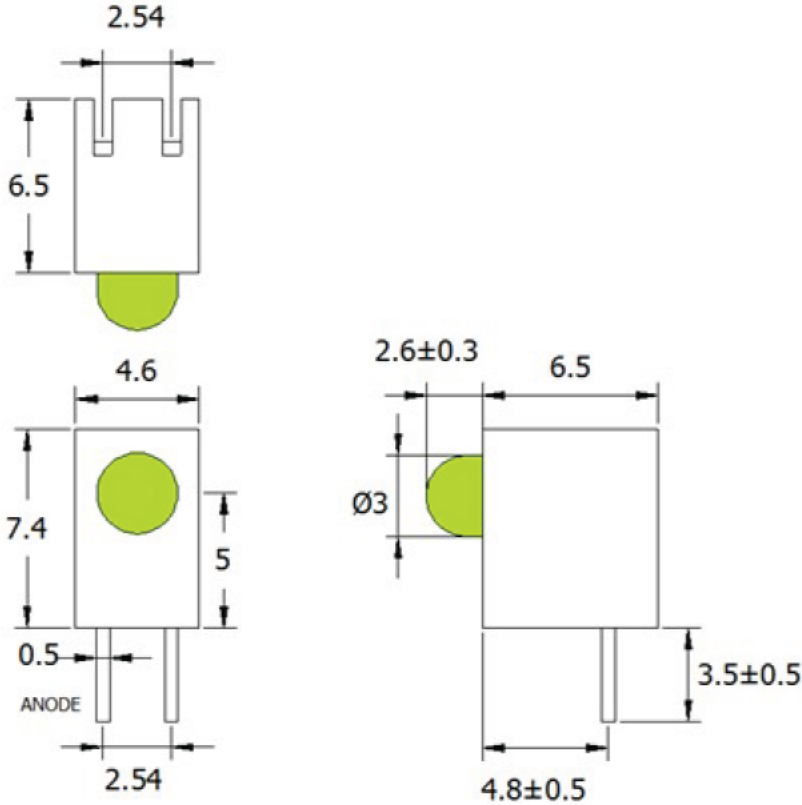
**SCHMID-M**

TITLE SM LED L514HGD-2MA

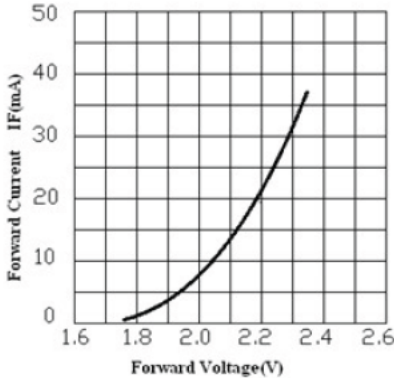
DRAWING NO

FILE NO 3mm Round Type Flangeless and Housing

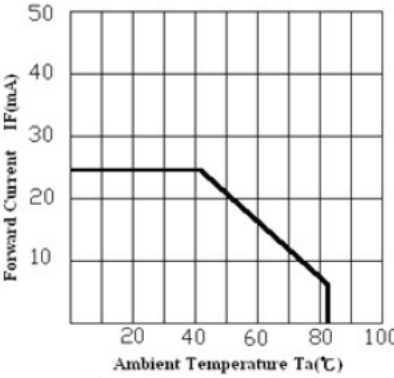
Typical Electro-Optical Characteristics Curves



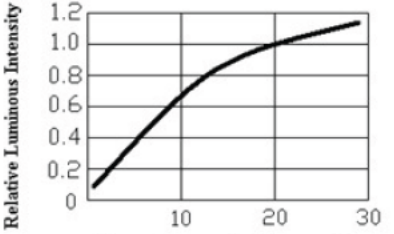
Green (GaP λP=568nm)



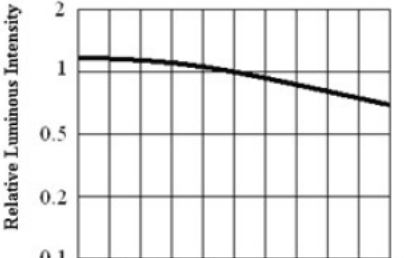
Forward Current vs. Forward Voltage



Forward Current Derating Curve



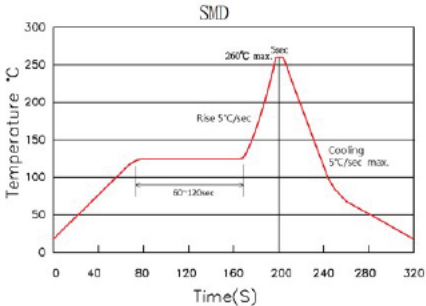
Luminous Intensity vs. Forward current



Luminous Intensity vs. Ambient Temperature

Soldering Iron Temperature at tip of iron : 350°C Max.  
 Soldering Time: 3 sec. ± 1 sec. (one time only)  
 If temperature is higher, time should be shorter

● Reflow Temp./Time(SMD)



DIMENSIONS ARE IN MILLIMETERS TOLERANCE		<b>SCHMID-M</b>	
· × ±0.5	ANGLE ±3°	SCALE	TITLE SM LED L514HGD-2MA
· × × ±0.1		REV A-1	DRAWING NO
· × × × ±0.05	DRAWN Walter	DATE 10.09.23	FILE NO 3mm Round Type Flangeless and Housing
APPROVAL	DATE		