

LO566TYL2-60H

Features

All Plastic Mold Type
High Luminous Intensity
Low Current Requirement

Applications

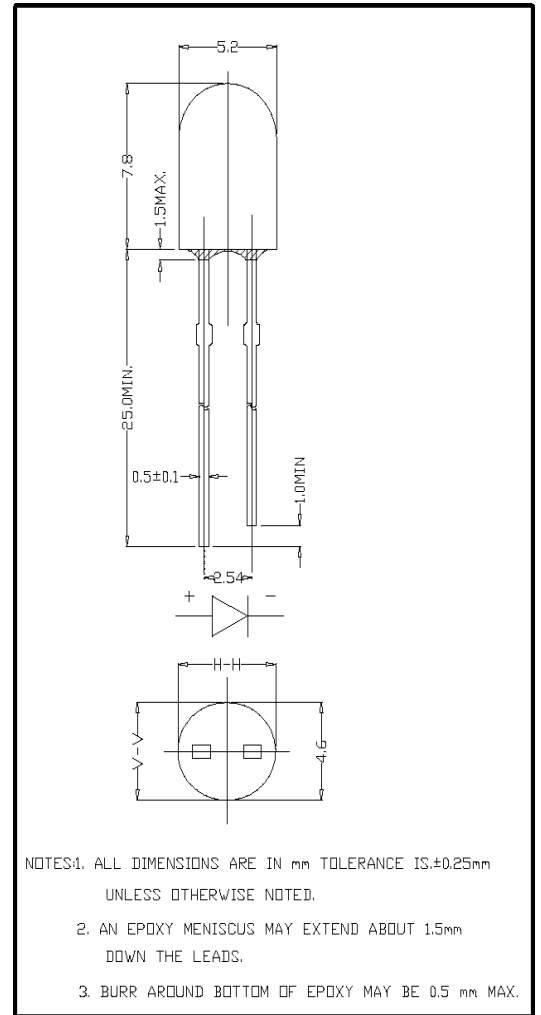
Backlighting
Full Color/RGB Video Signs
VMS
Time/Temperature Boards

Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Unit
Forward Current	I _F	50	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	150.00	mW
Operating Temperature	T _{opr}	-40 ~ +95	°C
Storage Temperature	T _{stg}	-40 ~ +95	°C
Soldering Temperature	T _{sol}	260	°C
Soldering Time	-	for 5 sec. max	-

Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	V _F	I _F =20mA	1.70	2.10	2.60	V
Reverse Current	I _R	V _R =5V	-	-	100	μA
Luminous Intensity	I _v	I _F =20mA	390.00	650.00	-	mcd
Viewing Angle	2θ ^{1/2}	-	-	60° x 35°	-	deg.
Peak Wavelength	λ _p	I _F =20mA	-	594	-	nm
Dominant Wavelength	λ _d	I _F =20mA	-	591	-	nm
Spectral Line Half Width	Δλ	I _F =20mA	-	20	-	nm



Company Headquarters
120 Broadway
Menands, New York 12204
Toll Free: 800.984.5337
Fax: 518.432.7454



Web: www.marktechopto.com | Email: info@marktechopto.com

West Coast Sales Office
950 South Coast Drive, Suite 265
Costa Mesa, California 92626
Toll Free: 800.984.5337
Fax: 714.850.9314

LO566TYL2-60H Graphs

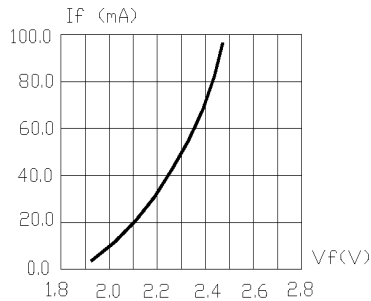


FIG.1 FORWARD CURRENT VS. FORWARD VOLTAGE.

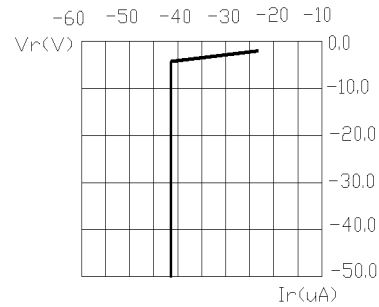


FIG.2 REVERSE CURRENT VS. REVERSE VOLTAGE.

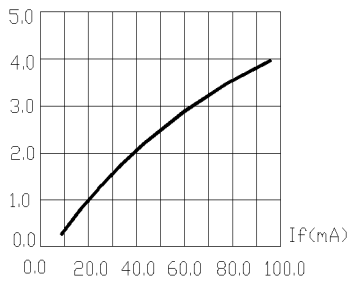


FIG.3 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT.

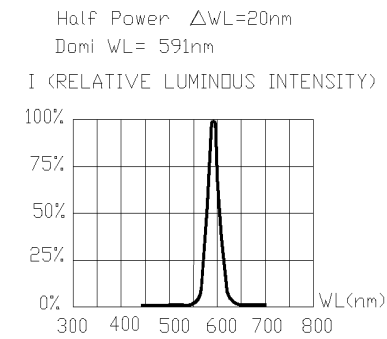


FIG.4 RELATIVE LUMINOUS INTENSITY VS. WAVELENGTH.

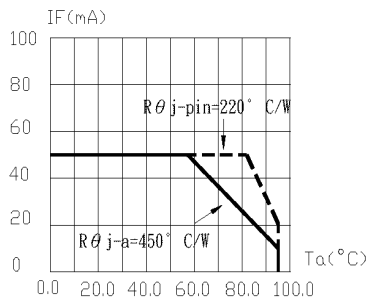


FIG.5 MAXIMUM FORWARD DC CURRENT VS AMBIENT TEMPERATURE ($T_{jmax}=105^{\circ}C$)

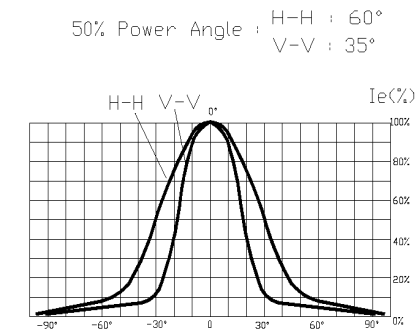


FIG.6 FAR FIELD PATTERN

1. Cathode PAD Area ($0.18 \times 0.18inch^2$)
2. Height above nominal seating plane in inches(0.3inch)