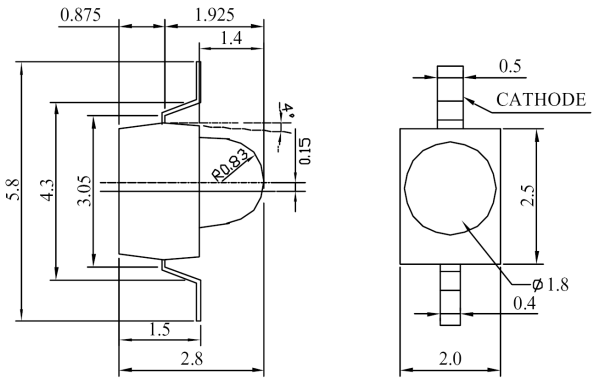
Marktech Optoelectronics

Z−Bend SMT LED

MTSMJ302AZ−UO

Features

Compatible with Automatic Placement Equipment
Packaged in 12.0mm Tape on 7" Diameter Reels
Surface Mount LED Lamp
Long Life Solid State Reliability



Notes:

1.All dimensions are in millimeters.

2.Tolerance is ±0.25mm unless otherwise noted.

Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Unit
Forward Current	I_F	30	mA
Reverse Voltage	V_R	4	V
Power Dissipation	P_D	72.00	mW
Operating Temperature	T_{opr}	−25 ~ +85	°C
Storage Temperature	T_{stg}	−40 ~ +100	°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	−	1.90	2.40	V
Reverse Current	I_R	V_R=5V	−	−	100	μ A
Luminous Intensity	I_V	I_F=20mA	1000.00	1800.00	−	mcd
Viewing Angle	$2\theta^{1/2}$	−	−	36°	−	deg.
Peak Wavelength	λp	I_F=20mA	−	611	−	nm
Dominant Wavelength	λd	I_F=20mA	−	605	−	nm
Spectral Line Half Width	Δλ	I_F=20mA	−	17	−	nm

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Latham, New York 12110
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Fax: 518.785.4725

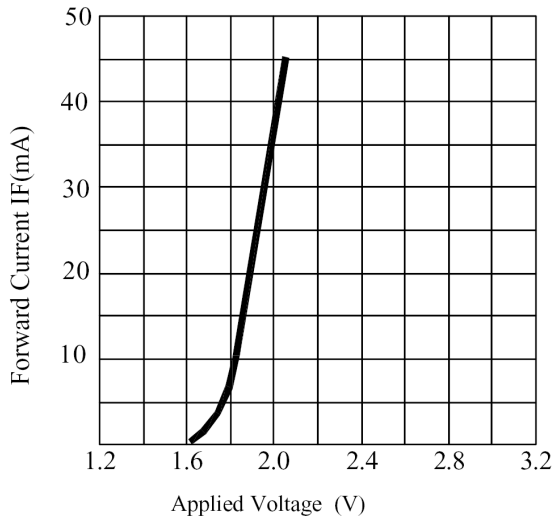
Marktech Optoelectronics

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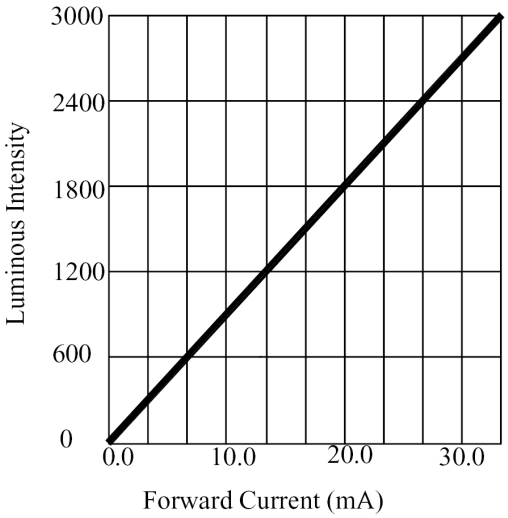
West Coast Sales Office
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MTSMJ302AZ−UO Graphs

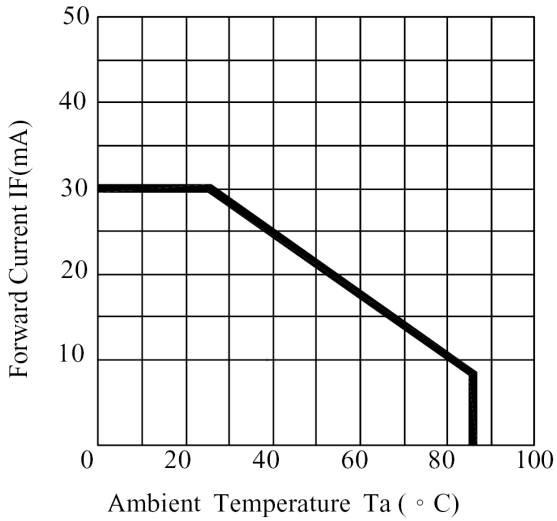
Typical Electrical / Optical Characteristics Curves :



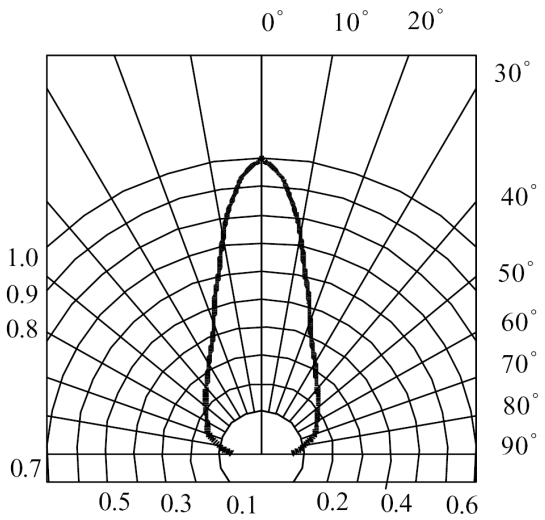
FORWARD CURRENT VS.APPLIED VOLTAGE



FORWARD CURRENT VS. LUMINOUS INTENSITY



AMBIENT TEMPERATURE VS. FORWARD CURRENT



RADIATION DIAGRAM

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