

MTSM7302AZ-UR-A

Features

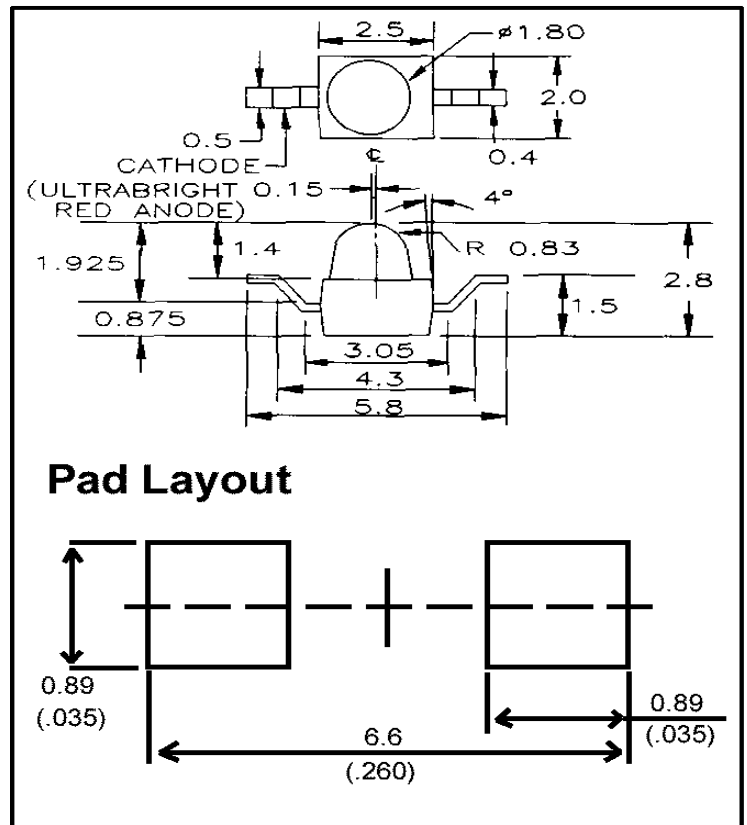
Compatible with Automatic Placement Equipment
 Long Life Solid State Reliability
 Packaged in 12.0mm Tape on 7" Diameter Reels
 Surface Mount LED Lamp
 Lead Free

Maximum Ratings (Ta=25°C)

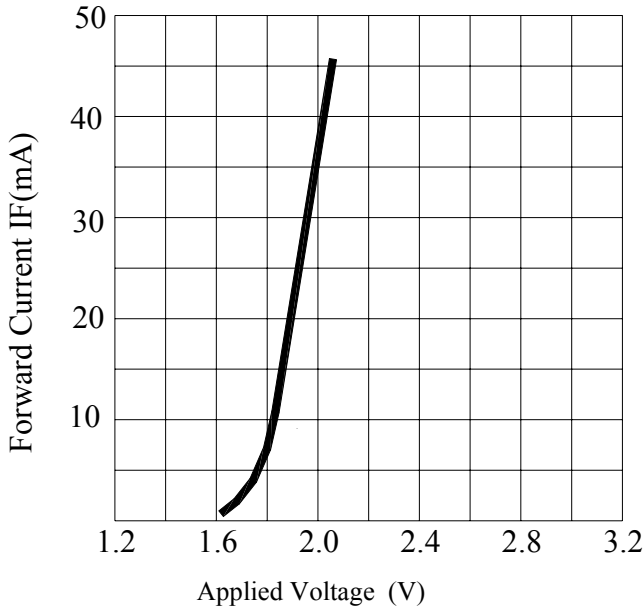
Characteristic	Symbol	Max.	Unit
Forward Current	I _F	30	mA
Reverse Voltage	V _R	4	V
Power Dissipation	P _D	72.00	mW
Operating Temperature	T _{opr}	-25 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Soldering Temperature	T _{sol}	260	°C
Soldering Time	-	for 5 sec. max	-

Opto-Electrical Characteristics (Ta=25°C)

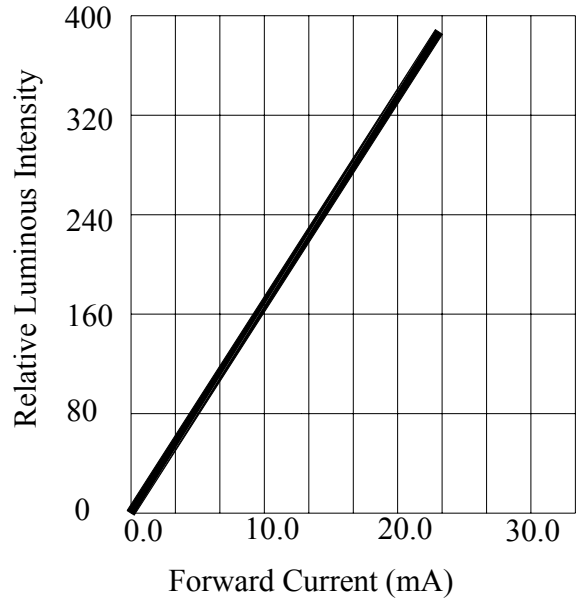
Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	V _F	I _F =20mA	-	1.90	2.40	V
Reverse Current	I _R	V _R =4V	-	-	100	μA
Luminous Intensity	I _v	I _F =20mA	200.00	330.00	-	mcd
Viewing Angle	2θ ^{1/2}	-	-	36°	-	deg.
Peak Wavelength	λ _p	I _F =20mA	-	660	-	nm
Dominant Wavelength	λ _d	I _F =20mA	-	643	-	nm
Spectral Line Half Width	Δλ	I _F =20mA	-	20	-	nm



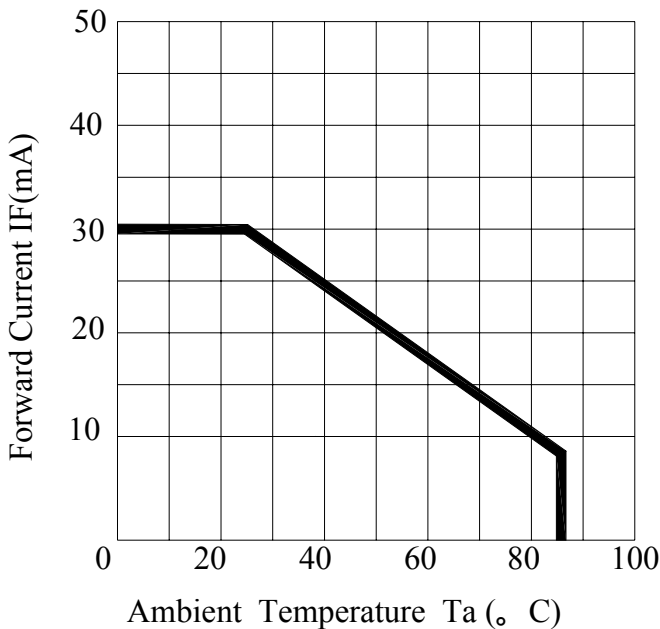
MTSM7302AZ-UR-A Graphs



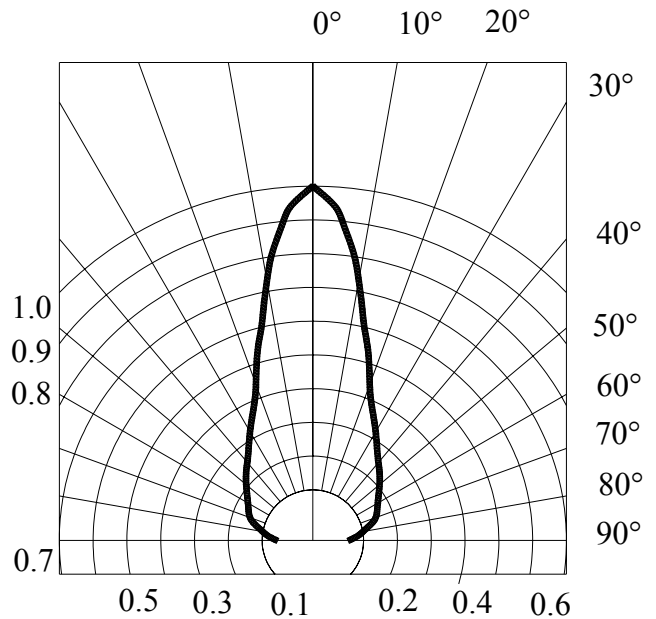
Forward Current VS. Applied Voltage



Forward Current VS. Luminous Intensity



Ambient Temperature vs. Forward Current



Radiation Diagram

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