



American Opto Plus LED Corp.

L324TURC-20D

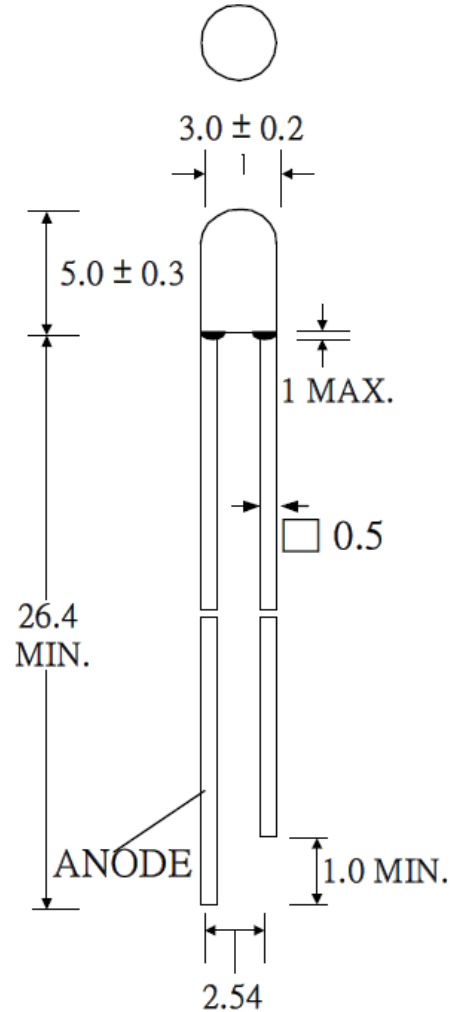
3mm Super Red LED Lamp

DESCRIPTION

- Round Type
- T-1 3mm Diameter
- Lens Color: Water Clear
- Without Flange
- Solder leads without standoffs

FEATURES

- Emitted Color: Super Red
- High Luminous Intensity
- Technology: GaAlAs
- Peak Wavelength $\lambda_P = 660\text{nm}$
- Viewing Angle: 20°



NOTES:

1. All dimensions are in millimeters tolerance is $\pm 0.25\text{mm}$ unless otherwise noted;

Part Number	Material	Lens Color	
		Emitted	Lens
L324TURC-20D	GaAlAs	Super Red	Water Clear



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ABSOLUTE MAXIMUM RATINGS

(Ta=25°C)

Parameter	Symbol	Ratings	Unit
Peak Pulsed Forward Current	I _{FP}	50	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _d	80	mW
Operating temperature range	T _{opr}	-40~+85	°C
Storage temperature range	T _{stg}	-40~+85	°C

Solder temperature 1.6 mm from body for 3 seconds at 260°C

OPTICAL-ELECTRICAL CHARACTERISTICS

(Ta=25°C)

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Luminous Intensity	I _V	I _F =20mA	660	1000	--	mcd
Forward Voltage	V _F		--	1.9	2.4	V
Peak Wavelength	λ _P		--	660	--	nm
Dominant Wavelength	λ _D		--	645	--	nm
Spectrum Radiation Bandwidth	Δλ		--	25	--	nm
Viewing Angle	2θ ½		--	20	--	deg
Reverse Current	I _R	V _R =5V	--	--	10	μA

*Tolerance of Viewing Angle: -10/+5 deg

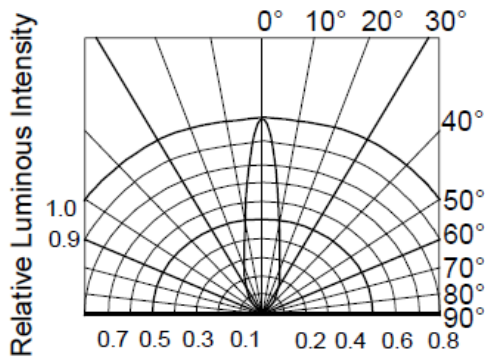


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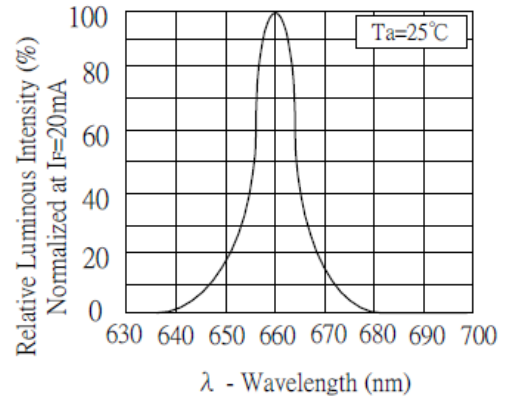
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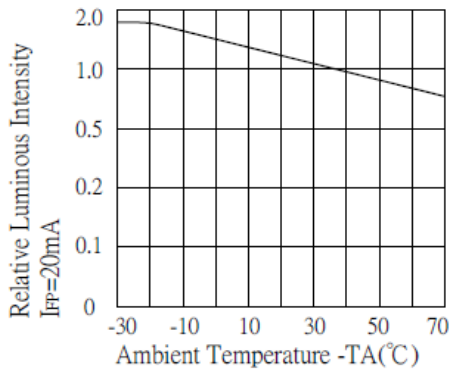
TYPICAL ELECTRICAL-OPTICAL CHARACTERISTIC CURVES



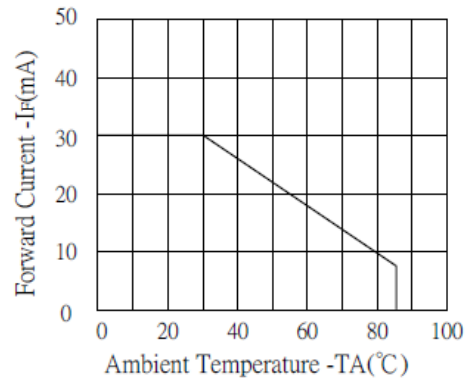
RADIATION DIAGRAM



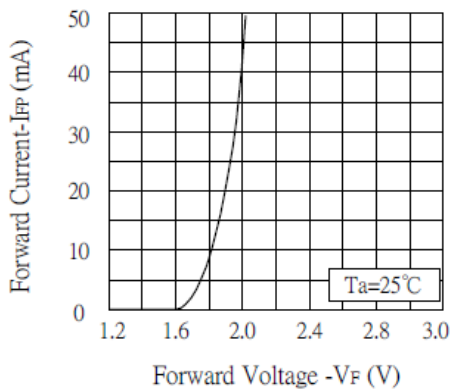
RELATIVE LUMINOUS INTENSITY Vs. WAVELENGTH



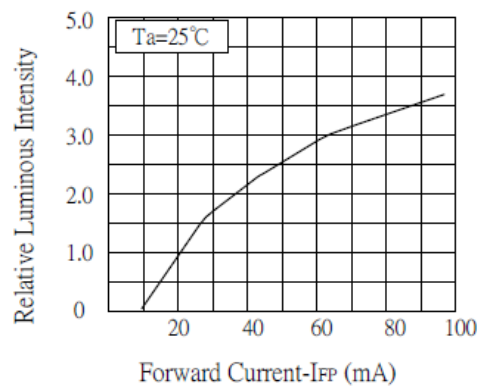
LUMINOUS INTENSITY Vs. AMBIENT TEMPERATURE



MAX FORWARD CURRENT Vs. AMBIENT TEMPERATURE



FORWARD CURRENT Vs. FORWARD VOLTAGE



LUMINOUS INTENSITY Vs. FORWARD CURRENT