

Ultra Bright Red-Orange Elliptical LED

LO565TRO4-B0G

Features

All Plastic Mold Type
High Power Luminous Intensity
Low Current Requirements
Tinted Diffused Lens

Applications

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

Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.			Unit
		SO	SO	SO	
Forward Current	I _F	50	50	50	mA
Reverse Voltage	V _R	5	5	5	V
Power Dissipation	P _d	150.00	150.00	150.00	mW
Operating Temperature	T _{opr}	-40 ~ +95	-40 ~ +95	-40 ~ +95	°C
Storage Temperature	T _{stg}	-40 ~ +100	-40 ~ +100	-40 ~ +100	°C
Soldering Temperature	T _{sol}	260	260	260	°C
Soldering Time	-	for 5 sec. max	for 5 sec. max	for 5 sec. max	-

Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min			Typ			Max			Unit
			SO	SO	SO	SO	SO	SO	SO	SO	SO	
Forward Voltage	V _F	I _F =20mA	1.70	1.70	1.70	2.10	2.10	2.10	2.60	2.60	2.60	V
Reverse Current	I _R	V _R =5V	-	-	-	-	-	-	100	-	-	μA
Luminous Intensity	I _v	I _F =20mA	390.00	-	-	700.00	-	-	-	-	-	mcd
Viewing Angle	2θ ^{1/2}	-	-	-	-	100° x 45°	-	-	-	-	-	deg.
Peak Wavelength	λ _p	I _F =20mA	-	-	-	621	621	621	-	-	-	nm
Dominant Wavelength	λ _d	I _F =20mA	-	-	-	615	615	615	-	-	-	nm
Spectral Line Half Width	Δλ	I _F =20mA	-	-	-	20	20	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

100 Oceangate Blvd. #1200
Long Beach, CA 90802
Toll Free: 800.984.5337
Fax: 562.628.5572

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LO565TRO4-B0G Graphs

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