

◆ **SUPER BRIGHT RED ORANGE (AlGaInP/GaAs)**

**ABSOLUTE MAXIMUM RATING AT Ta=25°C**

Parameter	Symbol	Super Bright Red Orange
Power dissipation per dice	$P_{AD}$	70
Continuous forward current per dice	$I_{AF}$	25
Peak current per dice (duty cycle 1/10, 1kHz)	$I_{PF}$	90
Reverse voltage per dice	$V_R$	5
Operating temperature	$T_{OPR}$	-40°C to +105°C
Storage temperature	$T_{STG}$	-40°C to +105°C

**ELECTRICAL – OPTICAL CHARACTERISTICS AT Ta=25°C**

Characteristic	Symbol	Condition	Min.	Type	Max.	Unit	
Forward Voltage	$V_F$	$I_F=20mA$	-	2.0	2.4	V	
Reverse Current	$I_R$	$V_R=5V$	-	-	10	$\mu A$	
Peak Wavelength	$\lambda_p$	$I_F=20mA$	-	632	-	nm	
Dominant Wavelength	$\lambda_d$	$I_F=20mA$	619	624	629	nm	
Luminous Intensity	Per segment	$I_V$	$I_F=20mA$	-	35	-	mcd
	Per Decimal Point			-	35	-	
Spectrum Radiation Bandwidth	$\Delta\lambda$	$I_F=20mA$	-	20	-	nm	

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**TOP-UP INDUSTRY CORP.**