


SELECTOR GUIDE

Part Number	Dice	Lens Color / Type	Pack Size	View Angle 2 θ 1/2
MT5491-HRG-A	Orange Green	White Diffused	5mm Round Bicolor	90 °

ELECTRICAL / OPTICAL CHARACTERISTICS AT T_A=25°C

Parameter	Symbol	Device	Min.	Typ.	Max.	Units	Test Conditions
Forward Voltage	V _F	Orange Green	-	2.1 2.1	2.6 2.6	V	20mA
Reverse Current	I _R	Orange Green	-	-	100 100	μA	5V
Luminous Intensity	I _V	Orange Green	3.0 3.0	6.7 7.6	-	mcd	20mA
Peak Wavelength	λ _{peak}	Orange Green	-	635 567	-	nm	20mA
Dominant Wavelength	λ _D	Orange Green	-	626 572	-	nm	20mA
Spectral Line Half-Width	Δλ _{1/2}	Orange Green	-	35 30	-	nm	20mA

ABSOLUTE MAXIMUM RATINGS AT T_A=25°C

Parameter	Rating	Units
Forward Current (I _F)	30 30	mA
Power Dissipation (P _D)	78 78	mW
Reverse Voltage (V _R)	5 5	V
Operating Temperature (T _{OPR})	-25 ~ +85	°C
Storage Temperature (T _{STG})	-40 ~ +100	°C
Lead Solder Temperature (T _{SOL})	260	@ for 5 sec. max

1. All Dimensions Are In Millimeters (inches).
2. Tolerance Is +0.25(0.01") Unless Otherwise Noted.
3. Specifications Are Subject To Change Without Notice.

