


SELECTOR GUIDE

Part Number	Dice	Lens Color / Type	Pack Size	View Angle $2\theta_{1/2}$
MT540-HR-A	Orange	Red Diffused	5mm Round 30° - 36°	30 °

ELECTRICAL / OPTICAL CHARACTERISTICS AT $T_A=25^\circ\text{C}$

Parameter	Symbol	Device	Min.	Typ.	Max.	Units	Test Conditions
Forward Voltage	V_F	Orange	-	2.1	2.6	V	2mA
Reverse Current	I_R	Orange	-	-	100	μA	5V
Luminous Intensity	I_V	Orange	20.0	50.0	-	mcd	2mA
Peak Wavelength	λ_{peak}	Orange	-	635	-	nm	20mA
Dominant Wavelength	λ_D	Orange	-	626	-	nm	20mA
Spectral Line Half-Width	$\Delta\lambda_{1/2}$	Orange	-	35	-	nm	20mA

ABSOLUTE MAXIMUM RATINGS AT $T_A=25^\circ\text{C}$

Parameter	Rating	Units
Forward Current (I_F)	30	mA
Power Dissipation (P_D)	78	mW
Reverse Voltage (V_R)	5	V
Operating Temperature (T_{OPR})	-25 ~ +85	$^\circ\text{C}$
Storage Temperature (T_{STG})	-40 ~ +100	$^\circ\text{C}$
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.

