



SELECTOR GUIDE

Part Number	Dice	Lens Color / Type	Pack Size	View Angle 2θ 1/2
MT4093-HR(2mA)-A	Red	Red Diffused	3mm Round 40° - 120°	40 °

ELECTRICAL / OPTICAL CHARACTERISTICS AT T_A=25°C

Parameter	Symbol	Device	Min.	Typ.	Max.	Units	Test Conditions
Forward Voltage	V _F	Red	-	1.7	2.5	V	2mA
Reverse Current	I _R	Red	-	-	10	µA	5V
Luminous Intensity	I _v	Red	0.7	3	-	mcd	2mA
Peak Wavelength	λ _{peak}	Red	-	627	-	nm	2mA
Dominant Wavelength	λ _D	Red	-	625	-	nm	2mA
Spectral Line Half-Width	Δλ _{1/2}	Red	-	45	-	nm	2mA

ABSOLUTE MAXIMUM RATINGS AT T_A=25°C

Parameter	Rating	Units
Forward Current (I _F)	30	mA
Power Dissipation (P _D)	105	mW
Reverse Voltage (V _R)	5	V
Operating Temperature (T _{OPR})	-40 ~ +85	°C
Storage Temperature (T _{STG})	-40 ~ +85	°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.



