



SELECTOR GUIDE				
Part Number	Dice	Lens Color / Type	Pack Size	View Angle 2θ 1/2
MT240-R-A	Red	Red Diffused	3mm Round 40° - 120°	60 °

ELECTRICAL / OPTICAL CHARACTERISTICS AT T_A=25°C							
Parameter	Symbol	Device	Min.	Typ.	Max.	Units	Test Conditions
Forward Voltage	V _F	Red	-	2.1	3.0	V	IF=20mA
Reverse Current	I _R	Red	-	-	100	μA	VR=5V
Luminous Intensity	I _V	Red	2.0	3.5	-	mcd	IF=20mA
Peak Wavelength	λ _{peak}	Red	-	700	-	nm	IF=20mA
Dominant Wavelength	λ _D	Red	-	650	-	nm	IF=20mA
Spectral Line Half-Width	Δλ _{1/2}	Red	-	100	-	nm	IF=20mA

ABSOLUTE MAXIMUM RATINGS AT T_A=25°C		
Parameter	Rating	Units
Forward Current (I _F)	30	mA
Power Dissipation (P _D)	90	mW
Reverse Voltage (V _R)	5	V
Operating Temperature (T _{OPR})	-25 ~ +85	°C
Storage Temperature (T _{STG})	-40 ~ +100	°C
Lead Solder Temperature (T _{SOL})	260 °C @ 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.

