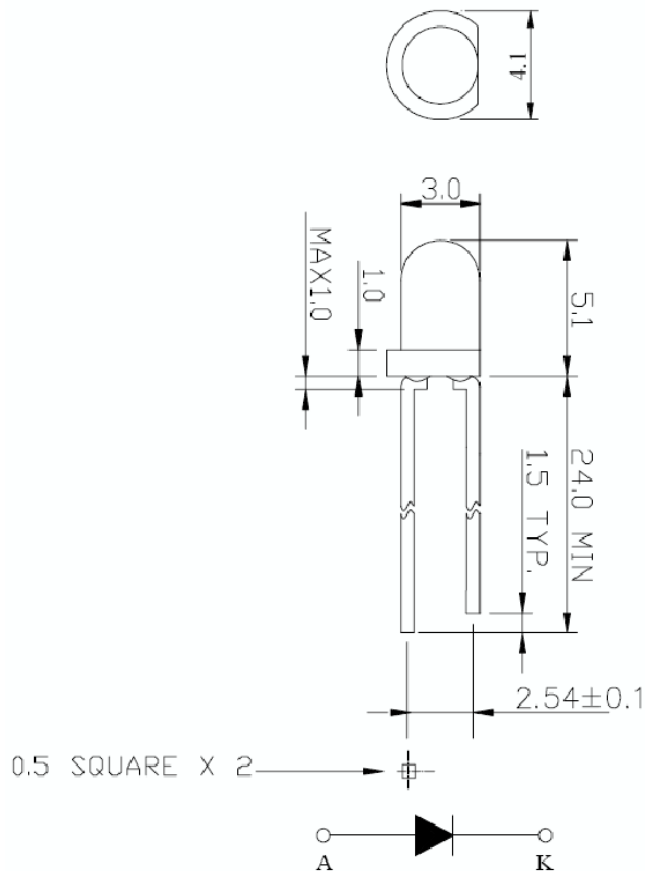




SELECTOR GUIDE

Part Number	Dice	Lens Color / Type	Pack Size	View Angle 2 θ 1/2
MT7103-UR-A	Super Red	Red Clear	3mm Round 40° - 120°	35 °

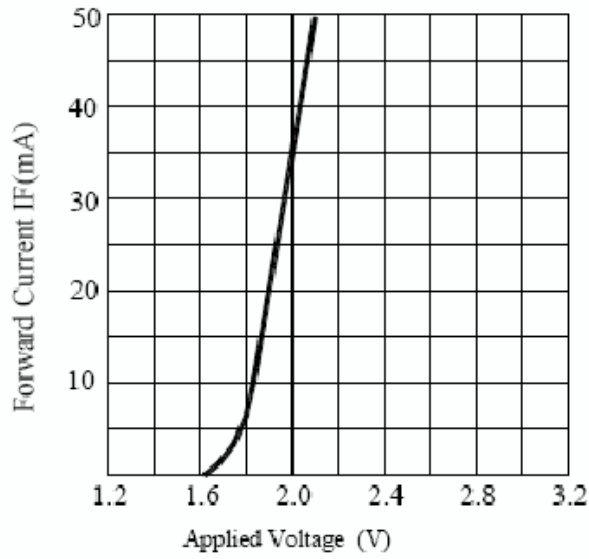
ELECTRICAL / OPTICAL CHARACTERISTICS AT T_A=25°C

Parameter	Symbol	Device	Min.	Typ.	Max.	Units	Test Conditions
Forward Voltage	V _F	Super Red	-	1.90	2.40	V	20mA
Reverse Current	I _R	Super Red	-	-	50	μA	4V
Luminous Intensity	I _V	Super Red	90.90	200.00	-	mcd	20mA
Peak Wavelength	λ _{peak}	Super Red	-	660	-	nm	20mA
Dominant Wavelength	λ _D	Super Red	-	643	-	nm	20mA
Spectral Line Half-Width	Δλ 1/2	Super Red	-	20	-	nm	20mA

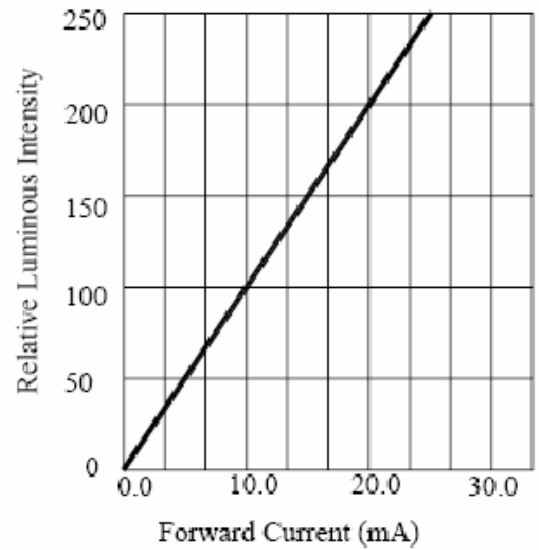
ABSOLUTE MAXIMUM RATINGS AT T_A=25°C

Parameter	Rating	Units
Forward Current (I _F)	30	mA
Power Dissipation (P _D)	72	mW
Reverse Voltage (V _R)	4	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

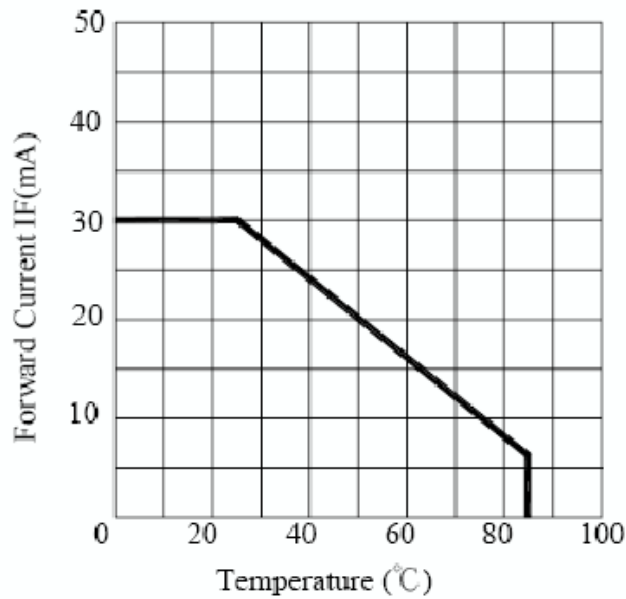
1. All Dimensions Are In Millimeters (inches).
2. Tolerance Is +0.25(0.01") Unless Otherwise Noted.
3. Specifications Are Subject To Change Without Notice.



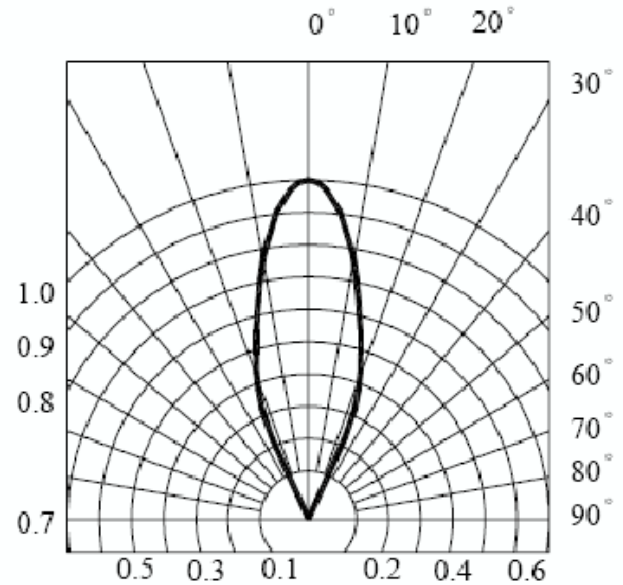
FORWARD CURRENT VS. APPLIED VOLTAGE



FORWARD CURRENT VS. LUMINOUS INTENSITY



FORWARD CURRENT VS. AMBIENT TEMPERATURE



RADIATION DIAGRAM

