

SUBMINIATURE SOLID STATE LAMP

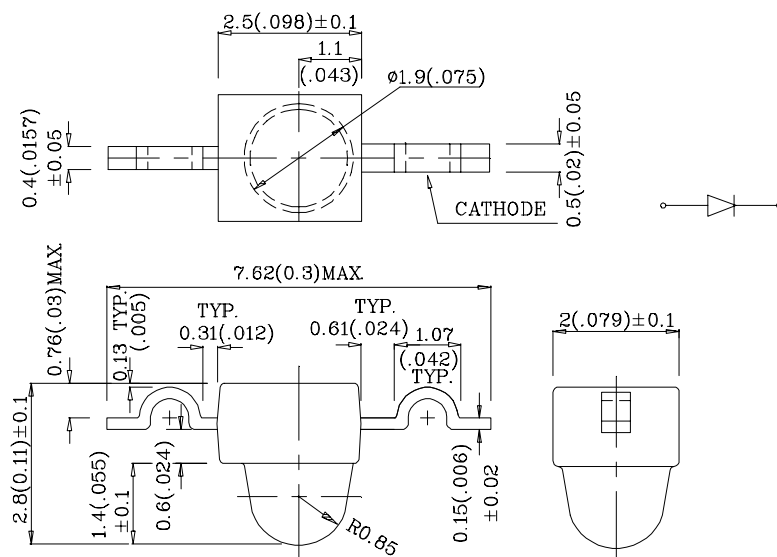


SUN LED

XZMDK46W-8

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Notes:

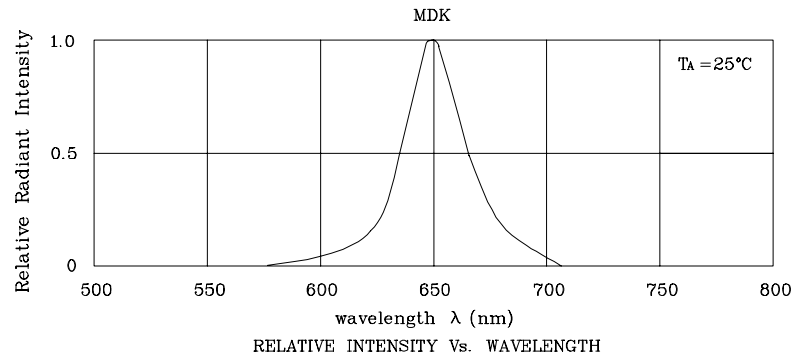
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ " unless otherwise noted.

Absolute maximum ratings ($T_A=25^{\circ}\text{C}$)		MDK (InGaAlP)	Unit
Reverse voltage	V_R	5	V
Forward current	I_F	30	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	i_{FS}	185	mA
Power dissipation	P_T	170	mW
Operating temperature	T_A	-40 ~ +85	$^{\circ}\text{C}$
Storage temperature	T_{stg}	-40 ~ +85	

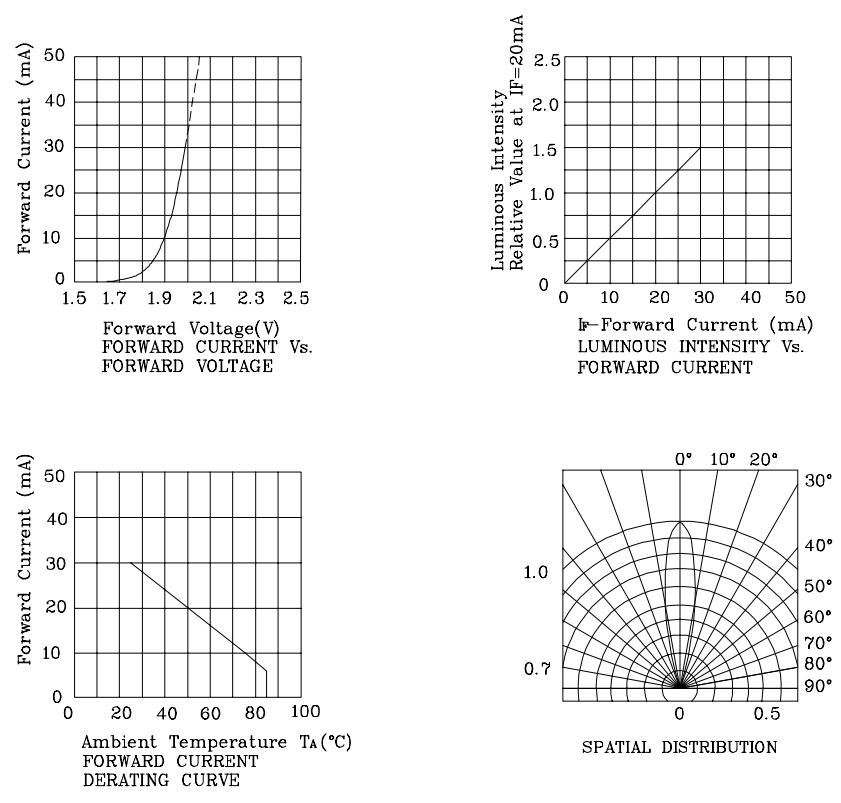
Operating Characteristics ($T_A=25^{\circ}\text{C}$)		MDK (InGaAlP)	Unit
Forward voltage (typ.) ($I_F=20\text{mA}$)	V_F	1.95	V
Forward voltage (max.) ($I_F=20\text{mA}$)	V_F	2.5	V
Reverse current ($V_R=5\text{V}$)	I_R	10	μA
Wavelength at peak emission ($I_F=20\text{mA}$)	λ_{peak}	650	nm
Wavelength at Dominate emission ($I_F=20\text{mA}$)	λ_D	635	nm
Spectral Line half-width ($I_F=20\text{mA}$)	$\Delta\lambda$	28	nm
Capacitance ($V_F=0\text{V}$, $f=1\text{MHz}$)	C	35	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity ($I_F=20\text{mA}$) mcd min. typ.	Wavelength nm λ_P	Viewing Angle $2\theta_{1/2}$
XZMDK46W-8	Red	InGaAlP	Water Clear	180 645	650	20°

XZMDK46W-8



◆MDK



❖SMT Reflow Soldering Instructions

