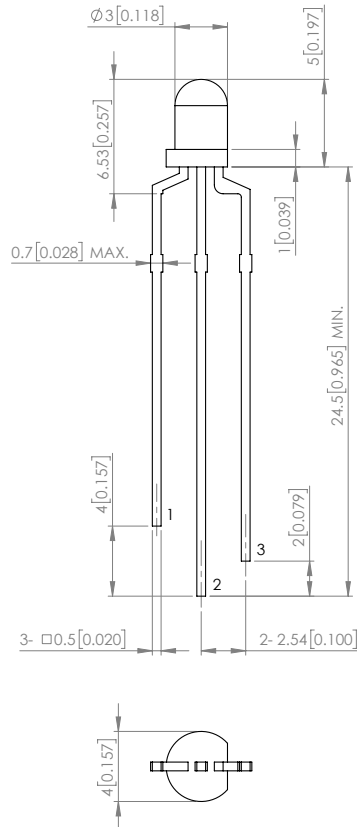
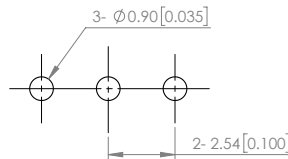


RECOMMENDED PCB LAYOUT



ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER		MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	R	-	645	-	nm	If=20mA
	B	-	460	-		
FORWARD VOLTAGE	R	-	2.0	2.5	Vf	If=20mA
	B	-	3.3	4.0		
REVERSE CURRENT	R	-	-	10	uA	VR=5V
	B	-	-	50		
LUMINOUS INTENSITY	R	-	40	-	mcd	If=20mA
	B	-	170	-		
VIEWING ANGLE		-	60	-	2x theta1/2	-
EMITTED COLOR	RED / BLUE					
EPOXY LENS FINISH	WHITE DIFFUSED					

ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT (R/B)*	180 / 150	mA
FORWARD CURRENT (R/B)	30 / 30	mA
POWER DISSIPATION (R/B)	75 / 120	mW
REVERSE VOLTAGE	5	V
STORAGE TEMPERATURE	-40 TO +85	°C
OPERATING TEMPERATURE	-40 TO +85	°C
SOLDERING TEMPERATURE**	3 SEC. MAX. @260	°C

*t<10us

**2.0mm FROM BODY

NOTE:

1. RoHS COMPLIANT.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN= ±0.00 DECIMAL PRECISION, MAX= ±0.00 DECIMAL PRECISION