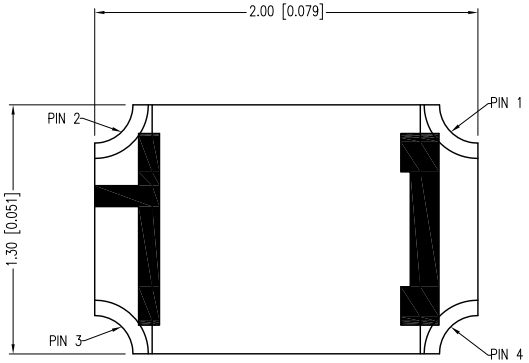
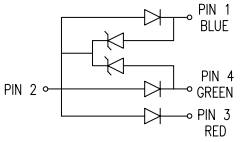
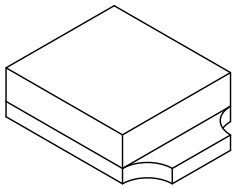
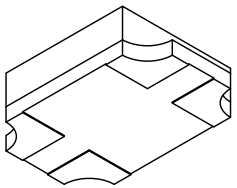
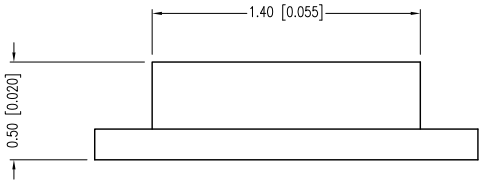
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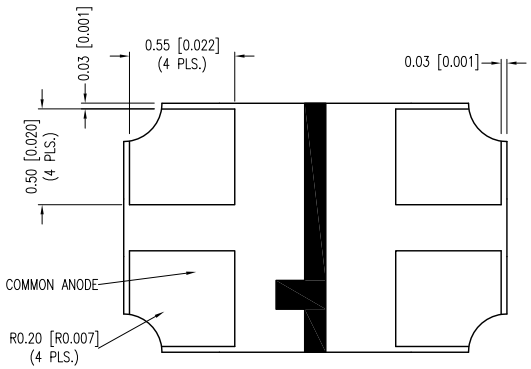




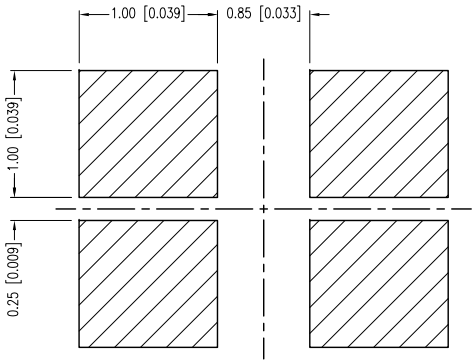








RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH (R/G/B)		632/520/468		nm	
FORWARD VOLTAGE (R/G/B)	1.6/2.7/2.7		2.4/3.9/3.9	Vf	
REVERSE VOLTAGE			5.0	Vr	Ir=100µA
AXIAL INTENSITY (R/G/B)	45/112.5/28.5		285/360/180	mcd	If=20mA
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:	RED/GREEN/BLUE				
LENS FINISH:	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT* (R/G/B)	80/80/80	mA
STEADY CURRENT (R/G/B)	20/20/20	mA
POWER DISSIPATION (R/G/B)	72/78/78	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-30 TO +80	°C
STORAGE TEMP.	-40 TO +85	°C

* t<10µS

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

*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= $^{+\text{DECIMAL PRECISION}}_{-0.00}$ MAX.= $^{+0.00}_{-\text{DECIMAL PRECISION}}$

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MEMBER OF ITW PHOTONICS GROUP

2.0mmX1.3mm RGB SURFACE MOUNT,632nm RED,520nm GREEN,468nm BLUE LED, T&R.

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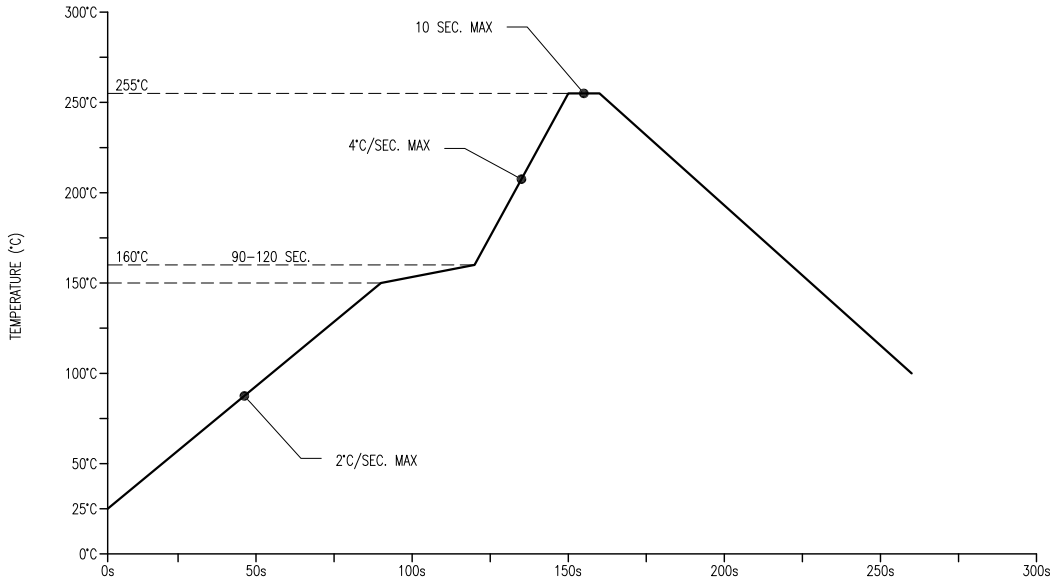
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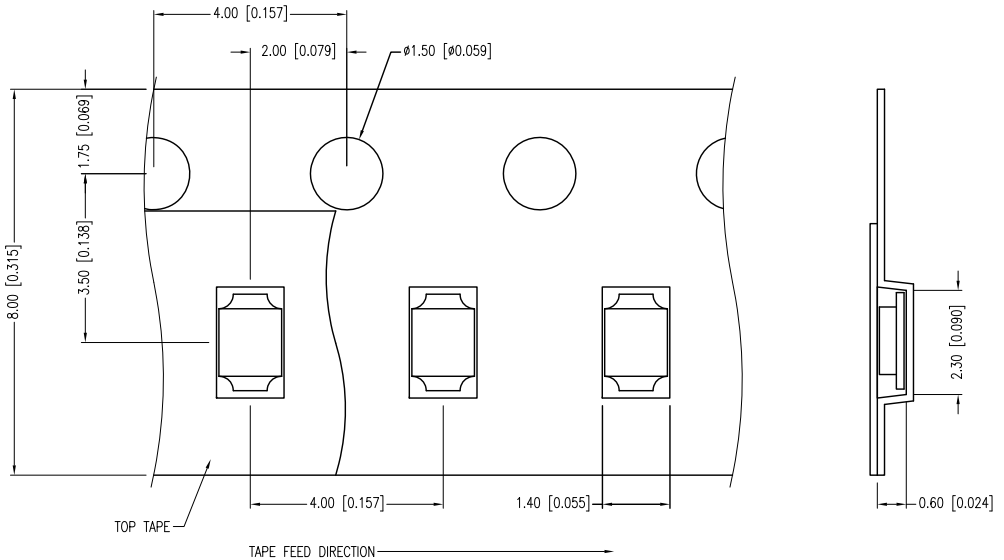
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PRELIMINARY IN P/N DIR

LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



NOTES:

1. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLES.

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