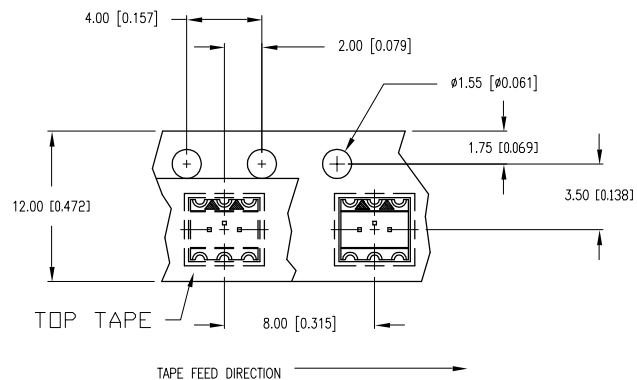
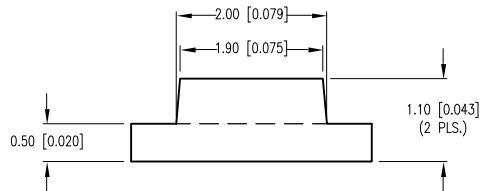
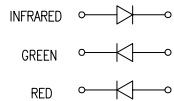
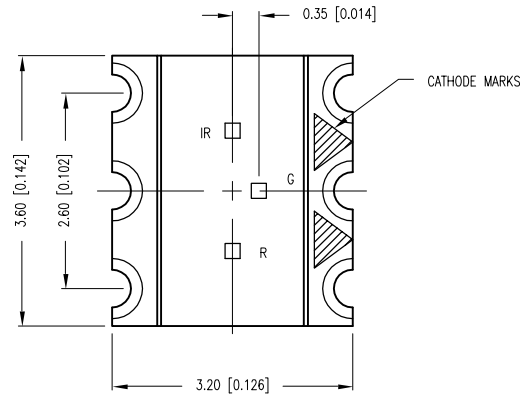
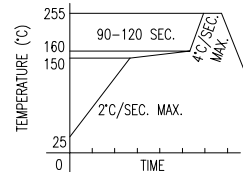


LEAD FREE REFLOW PROFILE

10 SEC. MAX.



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$				
PARAMETER	MIN	TYP	MAX	UNITS
PEAK WAVELENGTH	650 (RED)			nm
	574 (GREEN)			nm
	940 (IR)			nm
FORWARD VOLTAGE (R)	2.0	2.5		V_f
	(G)	2.1	2.5	V_f
	(IR)	1.2	1.6	V_f
REVERSE VOLTAGE	5.0			V_r
AXIAL INTENSITY (R/G/IR)	220/60/1.2*			mcd
VIEWING ANGLE	120			2x theta
EMITTED COLOR:	RED/GREEN/INFRARED			
EPOXY LENS FINISH:	WATER CLEAR LENS			

* mW/sr

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(R/G/IR)	185/150/1200	mA
STEADY CURRENT	(R/G/IR)	30/30/50	mA
POWER DISSIPATION	(R/G/IR)	75/75/80	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING TEMP.		-40 TO +85	°C
STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY			3 SEC. MAX

* $t < 10\mu\text{s}$

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.

NOTES:

1. THE CATHODE IS ORIENTED TOWARDS THE SPROCKET HOLE.

*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= +DECIMAL PRECISION MAX= +0.00 -DECIMAL PRECISION



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3.2x3.6mm SURFACE MNT LED, 650nm RED 574nm/GREEN 940nm INFRARED, WATER CLEAR LENS, TAPE AND REEL.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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DATE:	03.17.09	DRAWN BY:	JN
PAGE:	1 OF 1	CHKD BY:	--
SCALE:		APRVD BY:	--
UNIT:	mm [INCH]		(P)

UNCONTROLLED DOCUMENT