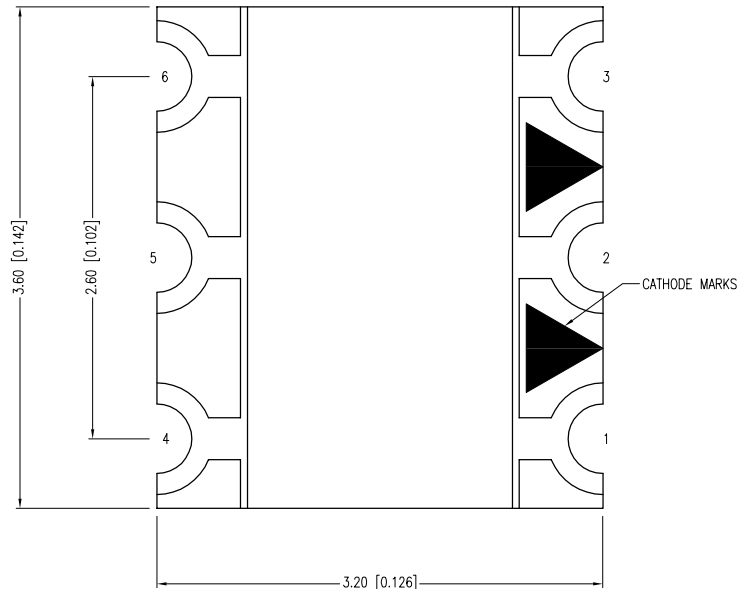
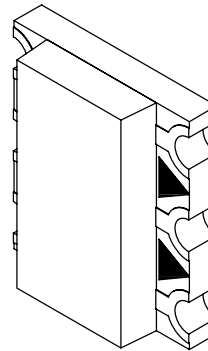




- 6 — 3 BLUE
5 — 2 GREEN
4 — 1 RED



ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^{\circ}\text{C}$				$I_f=20\text{mA}$	
PARAMETER	RED	GREEN	BLUE	UNITS	UNITS
PEAK WAVELENGTH	650	515	468	nm	
FORWARD VOLTAGE (TYP)	1.95	3.3	3.3	Vf	
FORWARD VOLTAGE (MAX)	2.50	4.1	4	Vf	
REVERSE VOLTAGE	5.0	5.0	5.0	Vr	$I_r=100\mu\text{A}$
AXIAL INTENSITY	250	350	80	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	120	120	120	2x theta	
EPOXY LENS FINISH: WATER CLEAR					

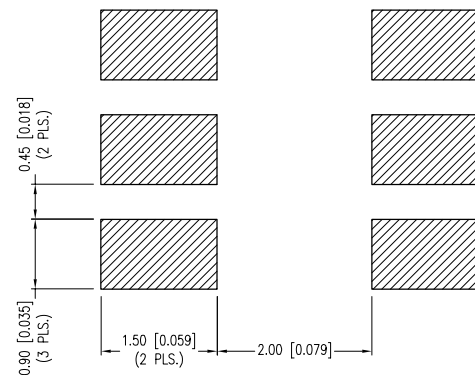
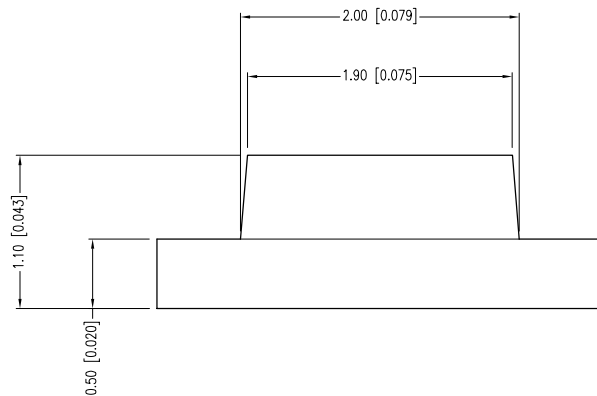
LIMITS OF SAFE OPERATION AT 25°C			
PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(R/G/B)	185/150/150	mA
STEADY CURRENT	(R/G/B)	30/25/30	mA
POWER DISSIPATION	(R/G/B)	75/102.5/120	mW
DERATE FROM 25°C	(R/G/B)	-1.2/-1.2/-1.6	mW/ $^{\circ}\text{C}$
OPERATING TEMP.		-40 TO +85	$^{\circ}\text{C}$
STORAGE TEMP.		-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.		+260	$^{\circ}\text{C}$
2.0mm FROM BODY		3	SEC. MAX.

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

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

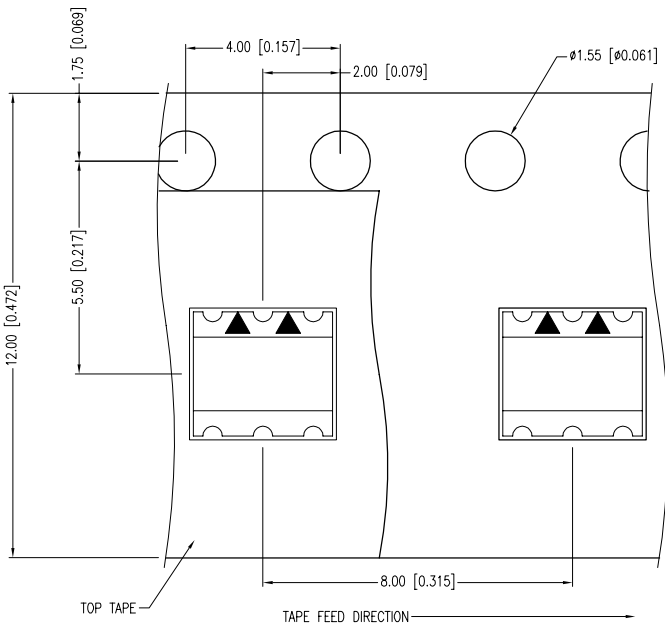
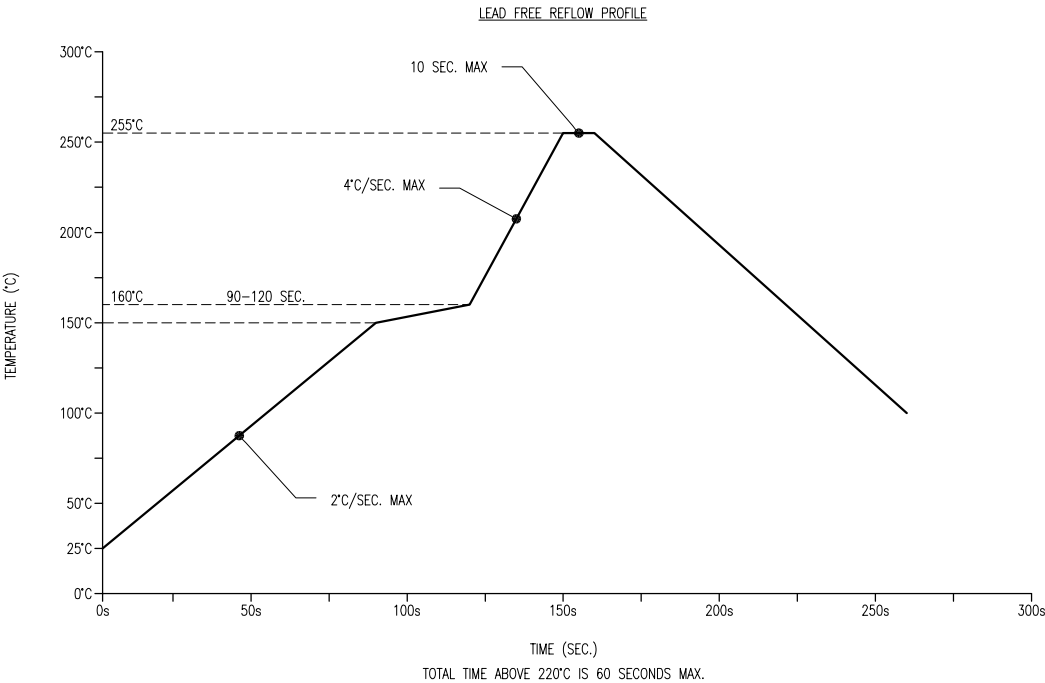
CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS

RECOMMENDED SOLDER PAD LAYOUT



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

UNCONTROLLED DOCUMENT



NOTES:

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