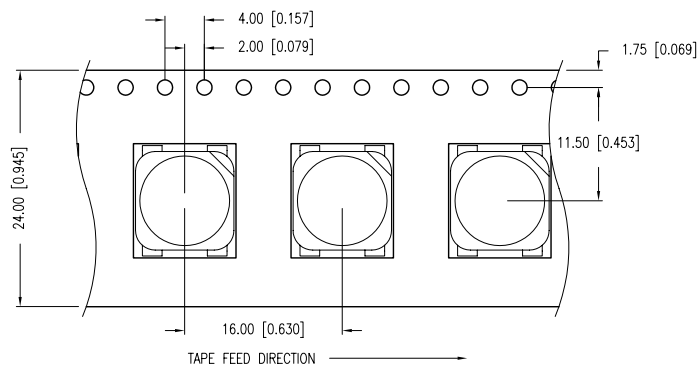
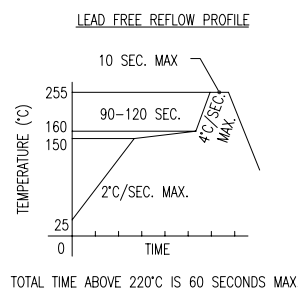
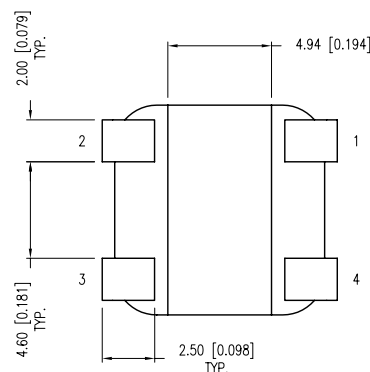
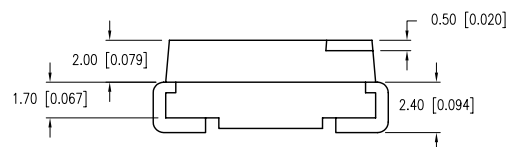
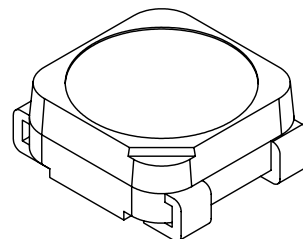
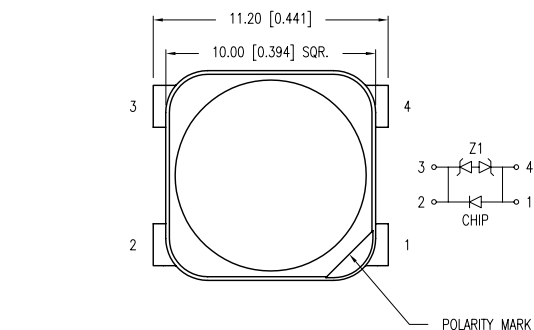
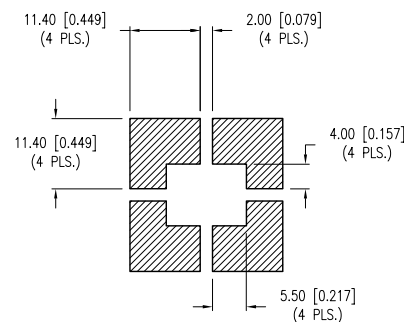




RECOMMENDED SOLDER PAD LAYOUT

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=350\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	--	--	--	nm	
FORWARD VOLTAGE		3.2	3.6	V_f	
REVERSE VOLTAGE	5.0			V_r	
AXIAL INTENSITY	11	18		cd	$I_f=350\text{mA}$
LUMINOUS FLUX	42	55		lm	$I_f=350\text{mA}$
COLOR TEMPERATURE	2870	3000	3220	°K	
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:	WARM WHITE				
EPOXY LENS FINISH:	WATER CLEAR LENS				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
DC FORWARD CURRENT	350	mA
STEADY CURRENT	500	mA
POWER DISSIPATION	125	mW
DERATE FROM 25°C	-1.25	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	

THERMAL PARAMETERS

PARAMETER	VALUE	UNITS
JUNCTION TEMPERATURE	110	°C
THERMAL RESISTANCE	9	°C/W

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

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 6 STANDARDS

*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

UNCONTROLLED DOCUMENT