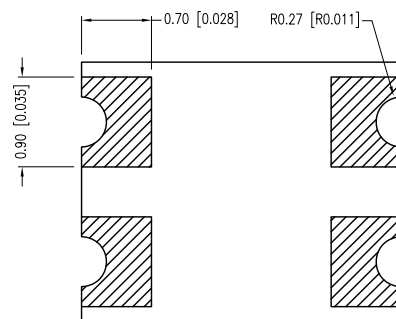
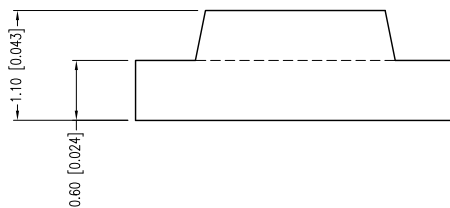
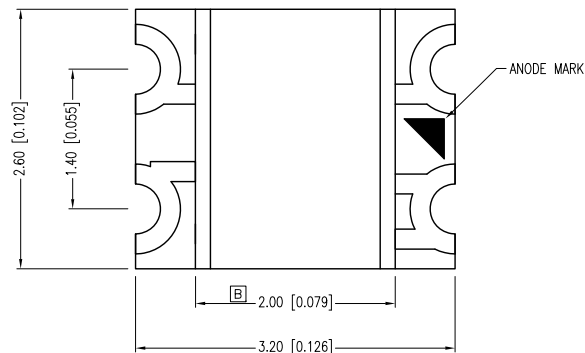
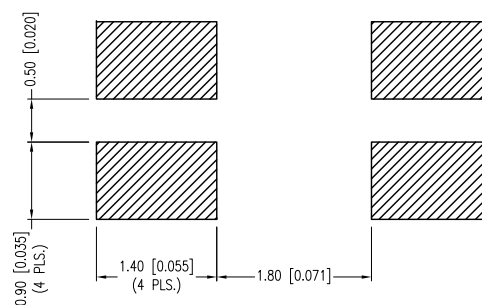


RECOMMENDED SOLDER PAD LAYOUT

[B] ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^\circ\text{C}$ $I_f=20\text{mA}$

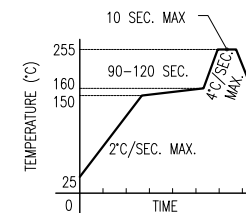
PARAMETER	COLOR	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	(R)		636		nm	
	(G)		525		nm	
	(B)		470		nm	
FORWARD VOLTAGE	(R)		2.0	2.4	Vf	
	(G)		3.3	3.7	Vf	
	(B)		3.3	3.7	Vf	
REVERSE VOLTAGE		5.0			Vr	$I_r=10\mu\text{A}$
AXIAL INTENSITY	(R/G/B)		140/180/70		mcd	$I_f=20\text{mA}$
VIEWING ANGLE			120		2x theta	
EMITTED COLOR:	RED/GREEN/BLUE					
EPOXY LENS FINISH:	MILKY WHITE					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT* (R/G/B)	60/100/100	mA
STEADY CURRENT	25	mA
POWER DISSIPATION (R/G/B)	60/95/95	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-40 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +90	$^\circ\text{C}$

* $T < 10\mu\text{s}$ [C] CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

LEAD FREE REFLOW PROFILE

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.*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.= $^{+0.000}_{-0.000}$ DECIMAL PRECISION MAX.= $^{+0.000}_{-0.000}$ DECIMAL PRECISION

UNCONTROLLED DOCUMENT