3.20 [0.126]

ø1.60 [ø0.063]

POLARITY MARK

1.60 [0.063]

0.30 [0.012]

R0.50 [R0.020]

1.10 [0.043]

0.25 [0.010]

0.80 [0.031]

POLARITY MARK

2.00 [0.079]

ELECTRO−OPTICAL CHARACTERISTICS Ta=25℃   If=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		574		nm	
FORWARD VOLTAGE		2.1	2.5	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100µA
AXIAL INTENSITY		100		mcd	If=20mA
VIEWING ANGLE		70		2x theta	
EMITTED COLOR:	GREEN				
LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25℃

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	75	mW
DERATE FROM 25℃	−1.2	mW/℃
OPERATING TEMP.	−40 TO +85	℃
STORAGE TEMP.	−40 TO +85	℃

* t<10µS

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS

RECOMMENDED SOLDER PATTERN

1.60 [0.063]   1.80 [0.071]

1.60 [0.063]

4.00 [0.157]   4.00 [0.157]

2.00 [0.079]   ø1.50 [ø0.059]

0.23 [0.009]

1.30 [0.051]

1.75 [0.069]

8.00 [0.315]

3.50 [0.138]

TAPE FEED DIRECTION

LEAD FREE REFLOW PROFILE

10 SEC. MAX.

255
90−120 SEC.
160
150

4℃/SEC. MAX.

2℃/SEC. MAX.

25

TEMPERATURE (℃)

0   TIME

TOTAL TIME ABOVE 220℃ IS 60 SECONDS MAX.
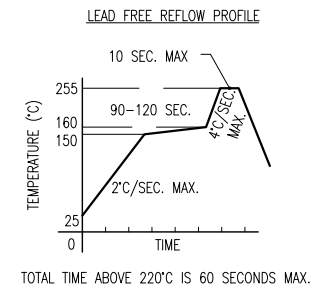
*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION / −0.00   MAX.= +0.00 / −DECIMAL PRECISION

UNCONTROLLED DOCUMENT

1.6mm X 3.2mm, SMT LED WITH LENS, 574nm GREEN.

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

DATE:	08.16.13	DRAWN BY:	MA
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	KF
UNIT:	mm [INCH]		

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