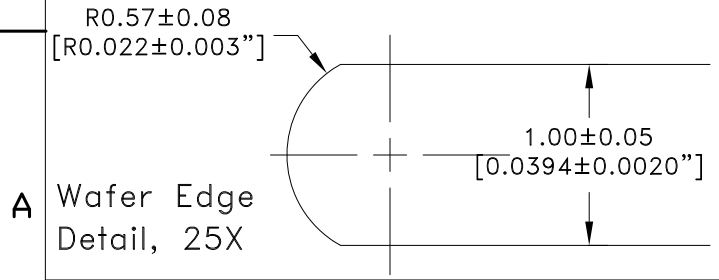


REVISIONS					
ZONE	REV	DESCRIPTION	ECO NO.	APPD.	DATE
ALL	B	Template Update	20621	SMITH	01/27/14

- Notes:
- 1.0 Material
Lithium Niobate optical grade
 - 2.0 Orientations
 - 2.1 Wafer surface is normal to <Z> ±0.2°
 - 2.2 Flats
 - 2.2.1 Primary flat is normal to <-Y> ±0.25°.
 - 2.2.2 Secondary flat is 90° ±1° counter clockwise from primary flat when viewing the -Z face.
 - 3.0 Edge
 - 3.1 All edges rounded with R0.57 ±0.08mm.
 - 3.2 No more than 2 edge chips greater than 0.5mm in penetration and 1.0mm in length.
 - 4.0 Surfaces
 - 4.1 Side 1 <-Z> face
Polished 10-5 scratch-dig with 1mm edge exclusion. No pits or scratches visible with reflected light and unaided eye.
 - 4.2 Side 2 <+Z> face
Polished 20-10 scratch-dig with 1mm edge exclusion. Light pits and scratches visible with reflected light and unaided eye allowed.
 - 5.0 Flatness
 - 5.1 Warp < 50µm
 - 5.2 TTV < 25µm
 - 6.0 Laser Marking
 - 6.1 Center text under the primary flat on the +Z side. Begin with Z followed by a 4-digit boule serial number separated by a dash from a 2-digit wafer sequence number (Z0001-01).
 - 6.2 FONT: SEM 15x23
HEIGHT=3.0mm, WIDTH=1.5mm, SEPARATION=2.2mm
DISTANCE FROM FLAT=1mm from top of text.
 - 7.0 Certificate of Conformance
Supply certificate of analysis sheet 97-02641-10-110.

Document
01/31/14
Control



FINISH: SEE NOTES		CONTRACT NUMBER	
MATERIAL: SEE NOTES		DR. G. Scholz	07/30/08
SPEC. NO.		CHK.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPD.	
TOLERANCES		APPD.	
INCHES	MILLIMETERS	DESIGN ACTIVITY APPROVAL:	
.XX ± .01	X.XX ± 0.25	CUSTOMER APPROVAL:	
.XXX ± .005	X.XXX ± 0.125	DO NOT SCALE DRAWING	
.XXXX ± .0020	SURFACE FINISH	SCALE: N/A	
ANG ± .5°		SH. 1 OF 1	

Gooch & Housego

TITLE: LNI0 125Ø x 1.0mm, -Z Po/Po -Y FLT, TTV <25µm, Laser Mark

SIZE: A DWG. NO. 97-02641-10 REV. B

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