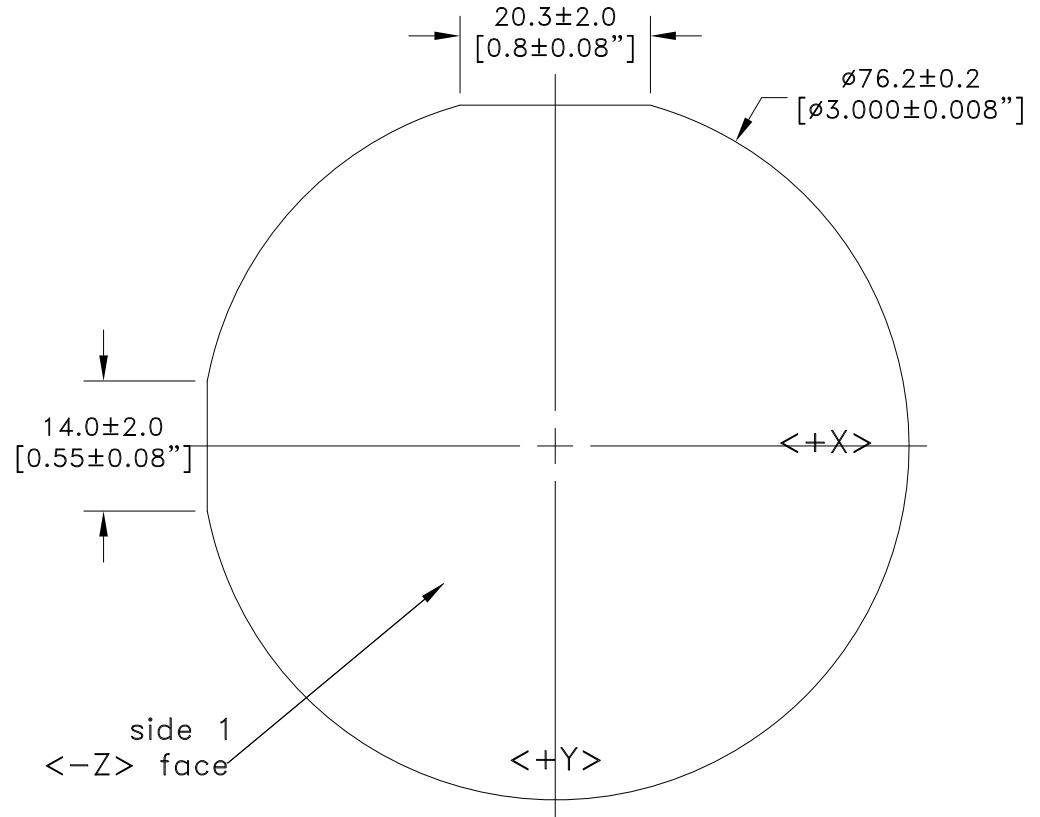
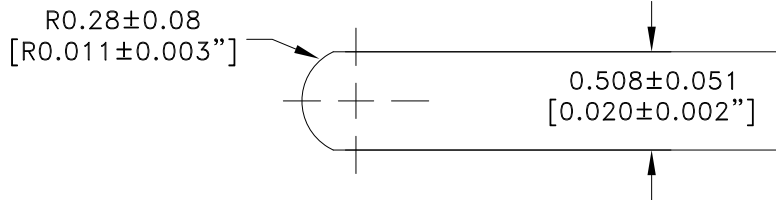


Notes:

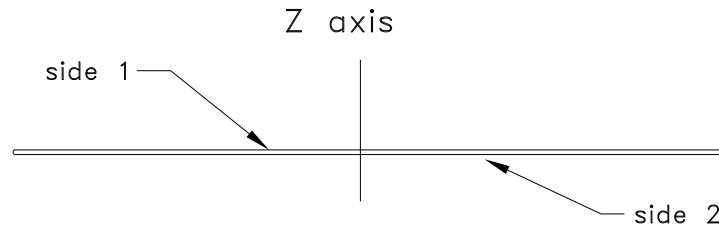
- 1.0 Material  
Lithium Niobate optical grade
- 2.0 Orientations
  - 2.1 Wafer surface is normal to  $\langle Z \rangle \pm 0.3^\circ$
  - 2.2 Flats
    - 2.2.1 Primary flat is normal to  $\langle -Y \rangle \pm 0.3^\circ$ .
    - 2.2.2 Secondary flat is  $90^\circ \pm 1^\circ$  counter clockwise from the primary flat when viewing the  $\langle -Z \rangle$  face.
- 3.0 Edge
  - 3.1 All edges rounded with  $R0.28 \pm 0.08\text{mm}$ .
  - 3.2 No chips greater than 0.5mm in penetration and 1.0mm in length.
- 4.0 Surfaces
  - 4.1 Side 1  $\langle -Z \rangle$  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  $\langle +Z \rangle$  face  
Ground,  $R_a 0.50\mu\text{m}-0.70\mu\text{m}$ .
- 5.0 Flatness
  - 5.1 Warp  $< 40\mu\text{m}$
  - 5.2 TTV  $< 25\mu\text{m}$



**Document**  
**05/19/14**  
**Control**



Wafer Edge Detail, 25X



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Material: Lithium Niobate	DR. T.NG	05-08-14	
Unless otherwise specified, dimensions in mm [in]	CHK.		
Tolerances			APPD.
Inches	Millimeters	Wafer Code: LNA--Z:076.051CN	Title: LNIO 76.2 $\phi$ x 0.51mm, -Z Po/Gr, -Y and -X FLT
.X $\pm$ 0.1 .XX $\pm$ 0.01 .XXX $\pm$ 0.005 .XXXX $\pm$ 0.0020	X $\pm$ 0.5 X $\pm$ 0.25 XX $\pm$ 0.1 XXX $\pm$ 0.05	Customer Approval:	Size: A
Angles $\pm 0.5^\circ$		DO NOT SCALE DRAWING	Dwg. No: 97-00567-03
			Rev: A
			Scale: 1.2:1
			Sheet 1 of 1