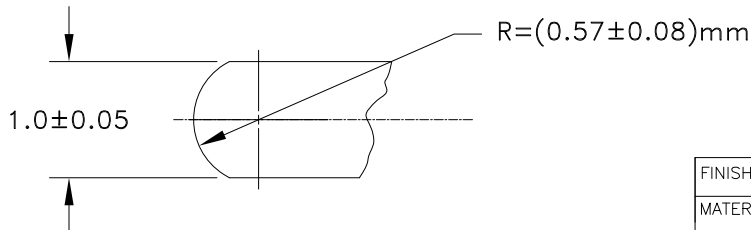
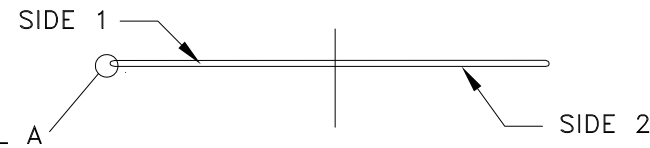
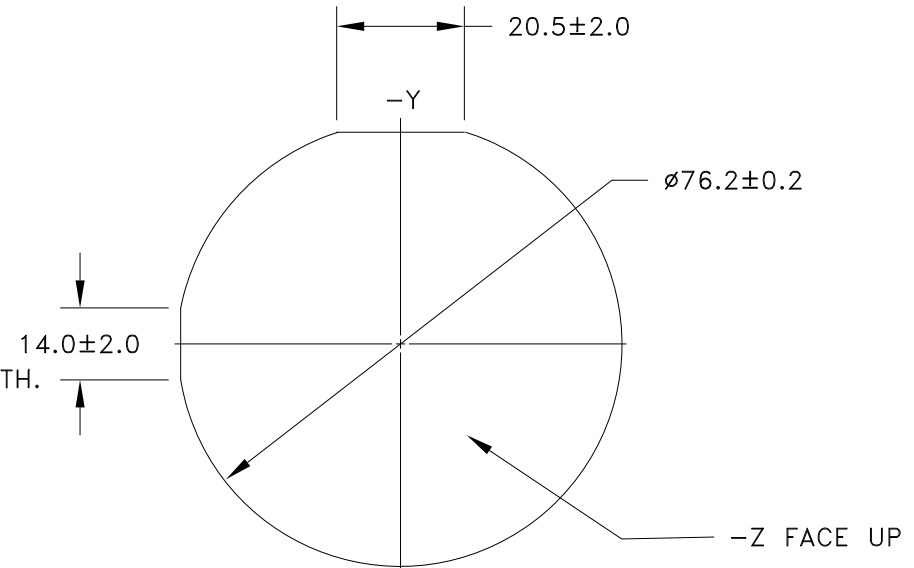


NOTES:

- 1.0.0 ORIENTATIONS
- 1.1.0 WAFER SURFACE IS NORMAL TO Z AXIS WITHIN $\pm 0.3^\circ$
- 1.2.0 FLATS.
- 1.2.1 MAJOR FLAT IS NORMAL TO THE $-Y$ AXIS WITHIN $\pm 0.3^\circ$.
- 1.2.2 MINOR FLAT IS $90^\circ \pm 1.0^\circ$ COUNTER-CLOCKWISE FROM THE MAJOR FLAT WHEN VIEWING THE $-Z$ FACE.
- 2.0.0 SURFACES
- 2.1.0 POLISH
- 2.1.1 THE MINUS Z SIDE POLISHED TO 10-5 SCRATCH DIG
- 2.1.2 THE PLUS Z SIDE POLISHED TO 20-10 SCRATCH DIG
- 2.2.0 EDGE
- 2.2.1 ALL EDGES ROUNDED WITH A 0.57 ± 0.08 mm RADIUS
- 2.2.2 NO CHIPS > 0.5mm IN PENETRATION AND 1.0mm IN LENGTH.
- 3.0.0 FLATNESS
- 3.1.0 WARP < 20 MICRONS
- 3.2.0 TOTAL THICKNESS VARIATION < 6 MICRONS.
- 4.0.0 MATERIAL
- 5.0 mol% MgO Lithium Niobate
- 4.0.1 Birefringent Phase Matching Temperature for 1064nm laser satisfies $109^\circ\text{C} < T_{pm} < 116^\circ\text{C}$
- 4.0.2 OH-absorption peak location completely shifted to wavenumber 3533.6/cm
- 5.0.0 Shipment includes Certificate of Compliance 97-03044-02-100 detailing Measurements

REVISIONS					
ZONE	REV	DESCRIPTION	ECO NO.	APPD.	DATE
	B	UPDATE COMPANY NAME	20584	SCHOLZ	01/10/14



DETAIL A
scale: N/A

Document
01/24/14
Control

FINISH: SEE NOTES		CONTRACT NUMBER			Gooch & Housego
MATERIAL: SEE NOTES		DR.	DHJ		
SPEC. NO.		CHK.		TITLE:	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN mm		APPD.		LNMG 5.0%, 3" ϕ X .04", -Z Po/Po, -Y&-X FLT, TTV < 6um	
TOLERANCES		APPD.		SIZE A DWG. NO. 97-03044-02 REV. B	
INCHES	MILLIMETERS	DESIGN ACTIVITY APPROVAL:		DO NOT SCALE DRAWING	
.XX \pm .01	X.XX \pm 0.25	MNA--Z:076.100DN		SCALE: N/A SH. 1 OF 1	
.XXX \pm .005	X.XXX \pm 0.125	CUSTOMER APPROVAL:			
.XXX \pm .0020	SURFACE FINISH <input checked="" type="checkbox"/>				
ANG \pm .5'					

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