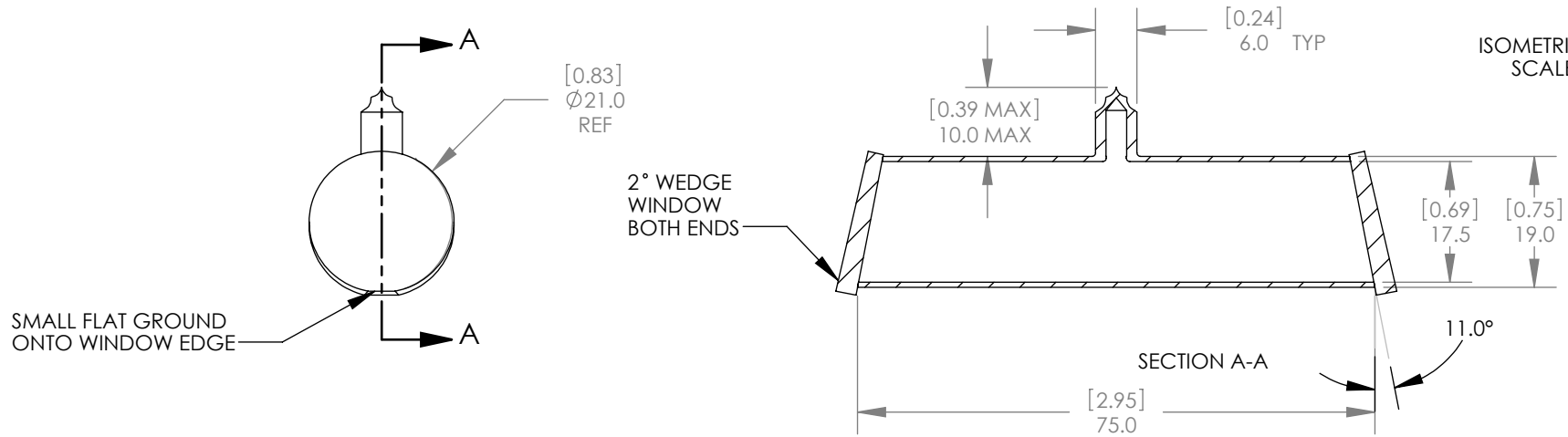


ISOMETRIC VIEW  
SCALE 1:1



NOTES/SPECIFICATIONS:

- BODY THICKNESS: 1.5mm
- DIAMETER TOLERANCE: ±1.6mm
- DIMENSIONAL TOLERANCE: ±0.8mm
- PRESSURE @ 25°C: 4 TORR
- STEM HEIGHT: <10mm
- WINDOW ANGLE: 11±1°
- WINDOW TYPE: WEDGED 2°
- WINDOW THICKNESS: 3.0mm
- WINDOW SURFACE QUALITY: 60-40 SCRATCH-DIG
- WINDOW FLATNESS: λ/4
- ALL DIMENSIONS ARE IN 

|      |
|------|
| [in] |
| mm   |

|           | NAME | DATE       |
|-----------|------|------------|
| DRAWN     | GG   | 08/29/2010 |
| ENG APPR. | BW   | 09/08/2010 |
| MFG APPR. | DD   | 09/08/2010 |

**PROPRIETARY AND CONFIDENTIAL**

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**THORLABS INC.** PO BOX 366  
NEWTON NJ

TITLE: Ref. Cell, QUARTZ  
Ø19 mm x 75 mm, WATER [H<sub>2</sub>O]

MATERIAL: QUARTZ

|      |      |
|------|------|
| SIZE | REV. |
| A    | B    |

SCALE: 1:1

SHEET 1 OF 1

DWG. NO.  
12091-E01

PART NO.  
CQ19075-H2O