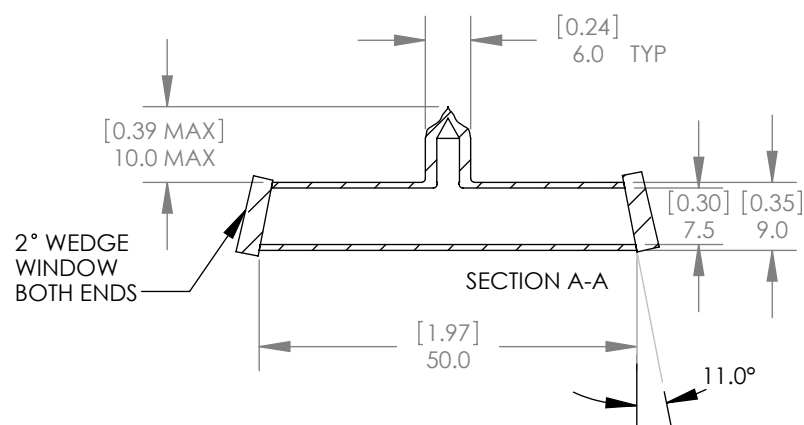
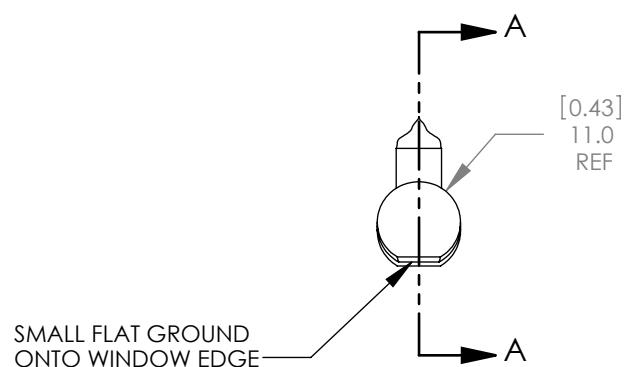


ISOMETRIC VIEW  
SCALE 1:1



# NOTES/SPECIFICATIONS:

- BODY THICKNESS: 1.5mm
- DIAMETER TOLERANCE:  $\pm 1.6\text{mm}$
- DIMENSIONAL TOLERANCE:  $\pm 0.8\text{mm}$
- PRESSURE @ 25°C: 50 TORR
- GAS: ACETYLENE  $^{13}\text{C}_2\text{H}_2$
- STEM HEIGHT: <10mm
- WINDOW ANGLE:  $11 \pm 1^\circ$
- WINDOW TYPE: WEDGED  $2^\circ$
- WINDOW THICKNESS: 3.0mm
- WINDOW SURFACE QUALITY: 60-40 SCRATCH-DIG
- WINDOW FLATNESS:  $\lambda/4$
- ALL DIMENSIONS ARE IN  $\frac{\text{[in]}}{\text{mm}}$

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

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

TITLE: Ref. Cell, QUARTZ Ø9 mm x 50 mm,  
ACETYLENE [ $^{13}\text{C}_2\text{H}_2$ ]

MATERIAL: QUARTZ

SIZE  
A  
REV.  
B

SCALE: 1:1

SHEET 1 OF 1

DWG. NO.  
12078-E01

PART NO.  
CQ09050-CH13