

NOTES:

1. MATERIAL SPECIFICATION FOR CLEAR APERTURE
FUSED SILICA WITH:

HOMOGENEITY: 1×10^{-6}
 MAXIMUM DIAMETER OF LARGEST
 INCLUSION, BUBBLE, OR SEED: 0.1mm
 TOTAL INCLUSION CROSS SECTION
 (CORRESPONDS TO $0.03 \text{mm}^2 / 100 \text{cm}^3$): 0.16mm^2
 STRIAE IN DIRECTION NORMAL TO PLATE: GRADE A PER
 MIL-G-174A

STRAIN: 5nm/cm
 NO INCLUSIONS, BUBBLES, OR SEEDS IN ZONE 'D'.

2. WEDGE ANGLE BETWEEN SURFACE A AND B
 IS 0 DEGREES, 30 MINUTES +/- 5 MINUTES.

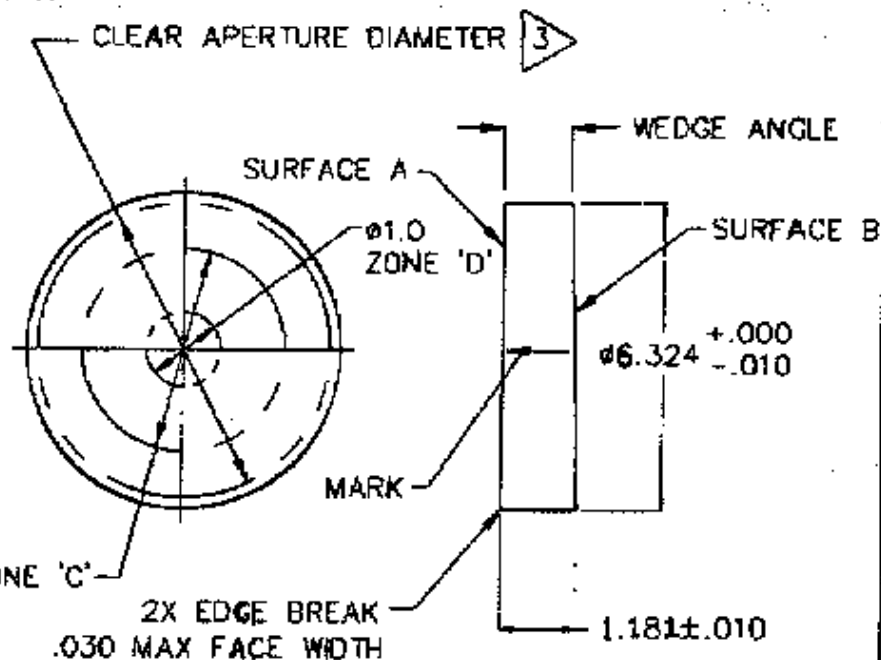
3. CLEAR APERTURE FOR SURFACES A AND
 B IS 6.00 INCHES MINIMUM.
 SURFACE QUALITY, FLATNESS AND COATING SPECS
 APPLY OVER CLEAR APERTURE.

4. MARK EDGE WITH ARROW TOWARDS SURFACE A.

5. SURFACE A:
 FLAT TO 1/20 WAVE P-V @ 0.6328 MICRONS
 40-20 SCRATCH/DIG OVER CLEAR APERTURE.
 20-10 SCRATCH/DIG WITHIN ZONE 'C'
 10-5 SCRATCH/DIG WITHIN ZONE 'D'

6. SURFACE B:
 40-20 SCRATCH/DIG OVER CLEAR APERTURE.
 20-10 SCRATCH/DIG WITHIN ZONE 'C'
 10-5 SCRATCH/DIG WITHIN ZONE 'D'

7. WAVEFRONT IN TRANSMISSION
 1/8 WAVE P-V @ 0.6328 MICRONS



1		SEE NOTES		REMARKS
QTY	ITEM	PART NO.	DESCRIPTION	REMARKS
PARTS LIST				
NEXT ASSY:		PHASE SHIFT TECHNOLOGY		
NEXT ASSY: A41573				
TOP ASSY: A41000				
UNLESS OTHERWISE SPECIFIED:		DESIGNED BY: V WASKIEWICZ	DATE: 9/18/97	REV: 1
DIMENSIONS ARE IN INCHES		FLAT, TRANSMISSION, 150 mm		
TOLERANCES ANGLES AS SHOWN		BEFORE COATING, LIGO		
REF: 1 STD		SCALE: NONE	REV: B	REV: 1
BY: LDT		F A58051		
REMOVE BURRS & SHARP EDGES				
ALL DIMENSIONS TO CENTER UNLESS OTHERWISE SPECIFIED				

LIGO-D970619-00-D

Phase Shift Technology 5205729355 P.02