

8 7 6 5 4 3 2 1

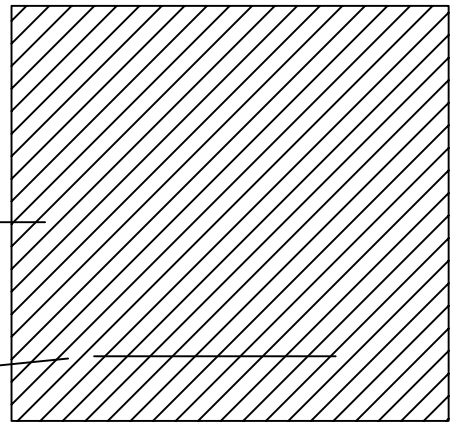
- NOTES:
- 1) ALL DIMENSIONS ARE IN MILLIMETERS AND DEGREE-MINUTES.
  - 2) DRAWING IS TO BE INTERPRETED PER ANSI/ASME Y14.5M-1994
  - 3) POLISH ALL M- AND A-AXIS FACES TO LAMBDA/10 P-V AT 633nm WITHIN THE CENTRAL 65mm DIAMETER APERTURE
  - 4) FINE GRIND FACE PERPENDICULAR TO THE C-AXIS.
  - 5) ALL ANGLES ARE  $90^\circ \pm 30'$
  - 6) OPPOSING FACES SHOULD NOT BE PARALLEL  $<0^\circ 5'$
  - 7) THE CRYSTAL C-AXIS FACE IS ALIGNED PERPENDICULAR TO THE C-AXIS WITHIN  $0^\circ 30'$
  - 8) BEVEL ALL EDGES FOR SAFETY
  - 9) ETCH OR GRIND FIDUCIAL MARK ON C-AXIS FACE, PARALLEL TO THE CRYSTAL A-AXIS WITHIN  $2^\circ$  APPROXIMATELY .25mm WIDE BY 10mm LONG.

REV.	DATE	DCN #	DRAWING TREE #
A	2-26-03	E030105-00-D	

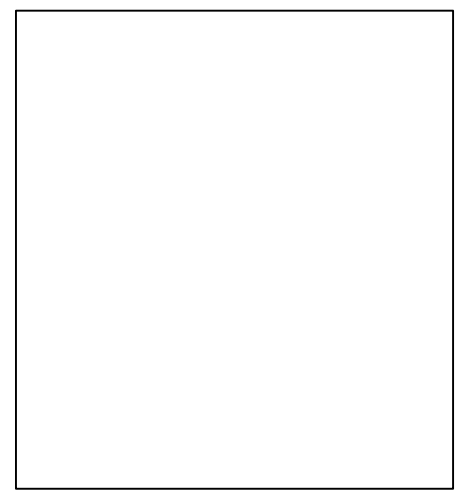
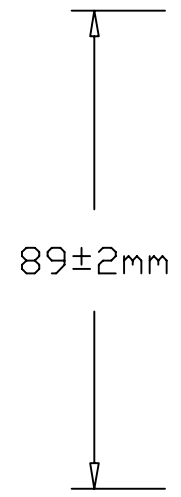
D  
C  
B  
A

D  
C  
B  
A

VIEW ALONG C-AXIS

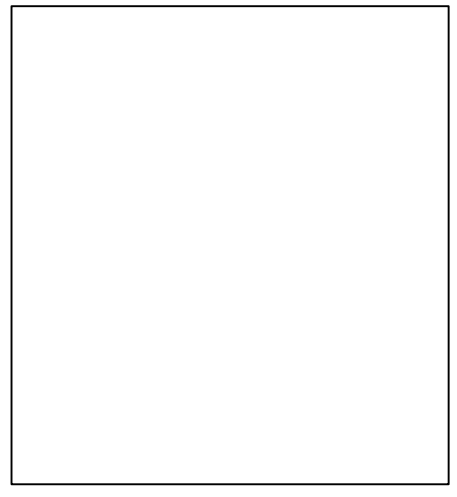


FINE GRIND  
MARK PARALLEL  
TO A-AXIS



VIEW ALONG A-AXIS

80mm±2mm



VIEW ALONG M-AXIS

80mm±2mm

ITEM NO.	REQ.	SPARE	TOT. QUANTITY	PART NUMBER	DESCRIPTION	SUPPLIER
UNLESS OTHERWISE SPECIFIED:						
DIMENSIONS ARE IN MILLIMETERS				DRAWN	DATE	NAME
TOLERANCES:				CHECKED		
.XX±:						
.XXX±:						
ANGULAR:±						
MATERIAL				COMMENTS:		
SAPPHIRE-SUPPLIED				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
FINISH				SYSTEM		
				SUB-SYSTEM		
				NEXT ASSY		
				PART NAME SUBSTRATE, HOMOGENEITY TEST		
SIZE		DWG. NO.		REV		
B		LIGO-D030128		A		
SCALE: NTS						SHEET 1 OF 1

8 7 6 5 4 3 2 1