



NOTES: (UNLESS OTHERWISE SPECIFIED)

MATERIAL: HELMITE SAPPHIRE
 MATERIAL SUPPLIED BY CALTECH
 1 INCH DIA ROUND SUBSTRATE

SURFACE 1 AND 3: 1/10 WAVE FLAT SURFACE
 QUALITY: 60/40

SURFACE 2 AND ALL OTHER SURFACES NOT
 NOTED: COMMERCIAL POLISH

SURFACE 1 & 2 PARALLEL WITHIN .004 TIR.

.600^{+0.000}
 .600^{-0.002}

.600^{+0.000}
 .600^{-0.002}

.250^{+0.000}
 .250^{-0.005}

90°
 Typical 4 Places

THIS EDGE TO BE SHARP
 NO BEVEL NO CHIPS

REF.	QTY.	PART or DRWG No.	NOMENCLATURE or DESCRIPTION	MATERIAL
PARTS and MATERIAL LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES				
TOLERANCES: FRACTIONAL ±1/16 ANGULAR ±.25° ANGULARWASH - BEND - TWO PLACE DECIMAL ± .01		THREE PLACE DECIMAL ± .005 FINISHED SURFACE RMS 63 BREAK CORNERS IN .015 OUT .015 REMOVE ALL BURRS		
MATERIAL: SEE NOTES	HEAT TREAT: /	FINISH: SEE NOTES		
DWG NO.	DESCRIPTION	REV	DESCRIPTION	DATE
REFERENCE DRAWINGS	USED IN: XXX	NEXT ASSY: XXX	ISSUE DESCRIPTION	DATE

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SQUARE
 SAPPHIRE
 SUBSTRATE .60 INCH
 CREEP EXPERIMENT

DATE FILE: 0020095-A
 SIZE DWG NO: B
 SHEET: 1 OF 1

