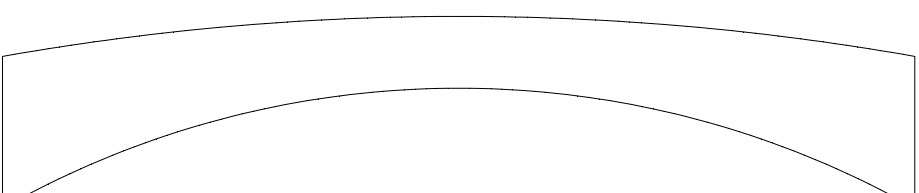


RADIUS	RAD TOL	IRR TOL	C. A. DIA
109.42 CX	0.10%	0.5 FR	30.00
38.70 CC	0.10%	0.5 FR	29.00

EDGE DIA	MATERIAL	THICK	THI TOL
38.10	LLF1	3.00	0.075

1. ALL DIMENSIONS IN MILLIMETERS
2. MATERIAL: LLF1, TO BE SUPPLIED BY VENDOR.
3. UNLESS OTHERWISE SPECIFIED, MIL-PRF-13830 APPLIES.
4. FRONT AND REAR SURFACES POLISHED, ALL OTHER SURFACES FINE GROUND UNLESS NOTED.
5. SURFACE SHAPES: ALL SPHERICAL WITHIN +/- 0.5 FRINGE (HENE 633NM) CYLINDER, ANNULAR ZONES, ETC, DOCUMENT AND REPORT FINAL FIGURE.
6. RADII TOLERANCES: TO WITHIN +/- 0.10% UNLESS OTHERWISE NOTED.
7. CONTACT SURFACES: MATCH TO +/- 5 FRINGE (HENE 633NM).
8. SURFACE FINISH: MICRORIPPLE 1 NM RMS OR BETTER. REPORT AND DOCUMENT MEASURED VALUES.
9. SURFACE QUALITY: 60-40.
10. O.D. AND R.T.: +/- 0.10 MM UNLESS OTHERWISE NOTED. REPORT TO +/- 0.025 MM.
11. CENTER/EDGE/FACE FLAT: +/- 0.013 MM MAXIMUM RUNOUT. REPORT MEASURED VALUE.
12. BEVELS: 1.0 MM FACE WIDTH AT 45 DEGREES.
13. GROUND SURFACES: 400 GRIT EQUIVALENT OR FINER.
14. FACE FLAT CONCAVE SURFACE WITH 36.1 MM APERTURE.
15. CONCAVE SURFACE CONTACTS CONVEX SURFACE OF STOCK ELEMENT FR2B TO BE PROVIDED BY CUSTOMER.



6.67 MM

TITLE			
PFS BENCH SPECTROGRAPH ELEMENT FR2A			
DATE	SCALE	DRAWN	APPRV
MAR 5 2007	3:1	J. CRANE	S. SHECTMAN
PROJECT			
PLANET FINDER SPECTROGRAPH			
DRAWING		REVISION	
FR2A		1	