

RADIUS	RAD TOL	IRR TOL	C. R. DIA	EDGE DIA	MATERIAL	THICK	THI TOL
261.33 CX	0.10%	0.5 FR	174.00	190.00	CAF2	28.20	0.075
PLAND	0.10%	0.5 FR	176.00				

1. ALL DIMENSIONS IN MILLIMETERS
2. MATERIAL: CAF2, TO BE SUPPLIED BY CUSTOMER AS R 193.0 MM D X 31.0 MM THK GENERATED BLANK.
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 A.T.: +/- 0.10 MM UNLESS OTHERWISE NOTED. REPORT TO +/- 0.025 MM.
11. CENTER/EDGE/FACE FLAT: +/- 0.013 MM MAXIMUM ROUNDT. REPORT MEASURED VALUE.
12. BEVELS: 1.0 MM FACE WIDTH AT 45 DEGREES.
13. GROUND SURFACES: 400 GRIT EQUIVALENT OR FINER.
14. CX SURFACE CONTACTS CC SURFACE OF ELEMENT PFS4.
15. PLANE SURFACE CONTACTS PLANE SURFACE OF ELEMENT PFS3R.



40.00 MM

TITLE			
PFS BENCH SPECTROGRAPH ELEMENT PFS3B			
DATE	SCALE	DRAWN	APPRV
MAR 7 2005	1:2	J. CRANE	S. SHECTMAN
PROJECT			
PLANET FINDER SPECTROGRAPH			
DRAWING		REVISION	
PFS3B		1	