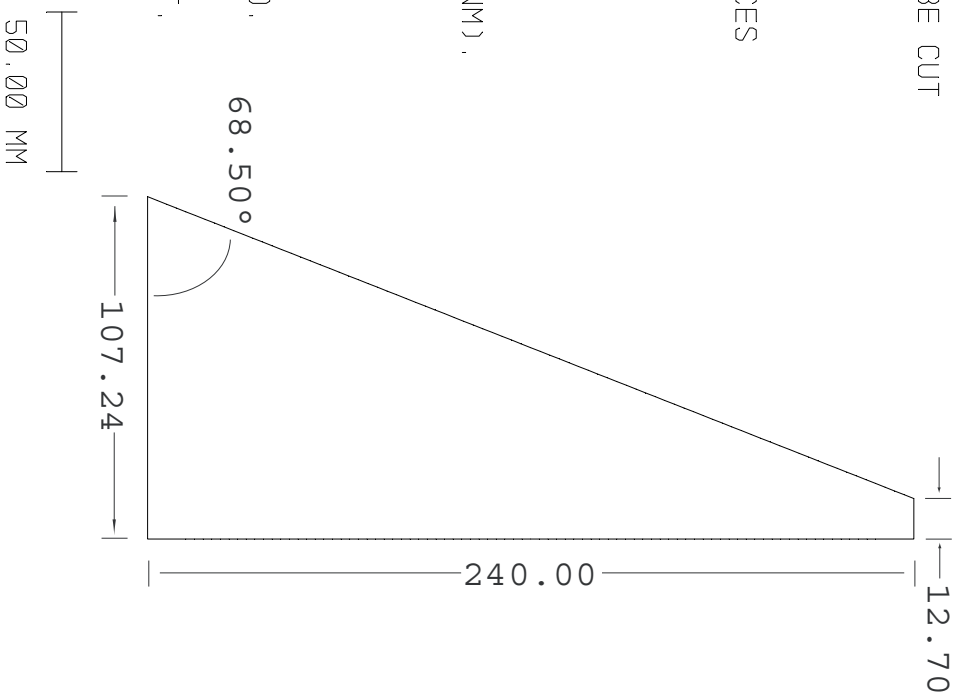


RADIUS	RAD TOL	IRR TOL	C.A. DIA	EDGE DIA	MATERIAL	THICK	THI TOL
PLANO	0.10%	0.5 FR	210.00	240.00	PBM2	59.97	0.075
PLANO	0.10%	0.5 FR	210.00				

- ALL DIMENSIONS IN MILLIMETERS
- MATERIAL: PBM2, CUSTOMER-SUPPLIED AS A 243.0 MM D X 139.1 MM TH PLANO-PLANO DISK, TO BE CUT ON DIAGONAL INTO TWO PRISMS, THESE WILL CONTACT EACH OTHER TO FORM A SINGLE PRISM.
- UNLESS OTHERWISE SPECIFIED, MIL-PRF-13830 APPLIES.
- FRONT AND REAR SURFACES POLISHED. ALL OTHER SURFACES FINE GROUND UNLESS NOTED.
- SURFACE SHAPES: PLANAR WITHIN +/- 0.5 FRINGE (HENE 633NM) CYLINDER, ANNULAR ZONES, ETC.
- RADII TOLERANCES: TO WITHIN +/- 0.10% UNLESS OTHERWISE NOTED.
- CONTACT SURFACES: MATCH TO +/- 5 FRINGE (HENE 633NM).
- SURFACE FINISH: MICRORIPPLE 1 NM RMS OR BETTER. REPORT AND DOCUMENT MEASURED VALUES.
- SURFACE QUALITY: 60-40.
- O.D. AND A.T.: +/- 0.075 MM UNLESS OTHERWISE NOTED. REPORT TO +/- 0.010 MM.
- CENTER/EDGE/FACE FLAT: +/- 0.013 MM MAXIMUM RUNOUT. REPORT MEASURED VALUE.
- BEVELS: 1.0 MM FACE WIDTH AT 45 DEGREES.
- GROUND SURFACES: 400 GRIT EQUIVALENT OR FINER.
- ANGLES: +/- 0.05 DEGREES.



TITLE				PFS BENCH SPECTROGRAPH ELEMENT PESP1			
DATE	SCALE	DRAWN	APPRV				
JAN 5 2006	1:2.5	J. CRANE	S. SHECTMAN				
PROJECT				PLANET FINDER SPECTROGRAPH			
DRAWING				REVISION			
PESP1				2			