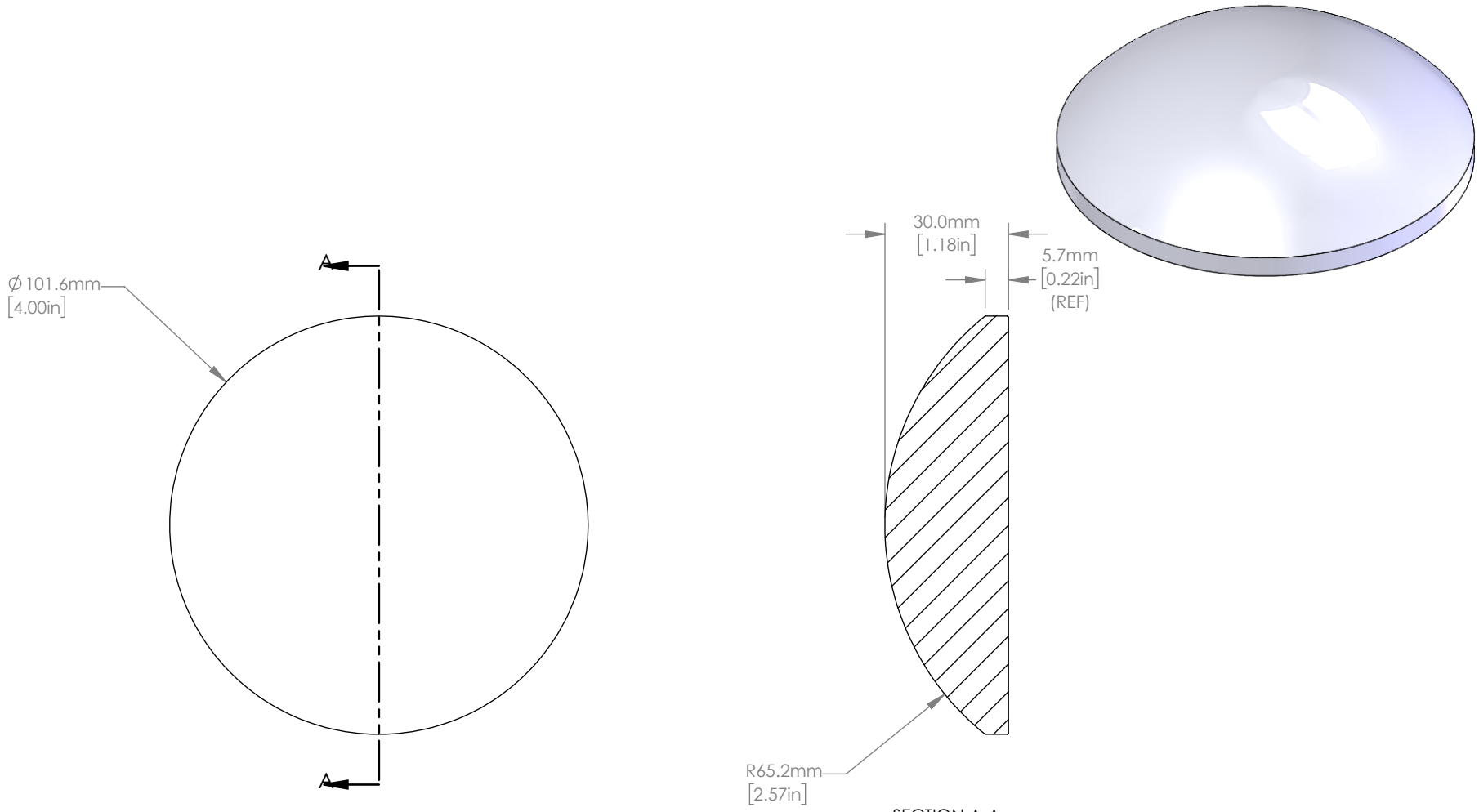

SECTION A-A
SCALE 1 : 1.5

NOTES/SPECIFICATIONS:
1. DESIGN FREQUENCY: 500GHz (n=1.43)
2. FOCAL LENGTH: 151.5 mm ± 2.0%
3. BACK FOCAL LENGTH(REF): 130.5 mm
4. CLEAR APERTURE: ∅ 86.36 mm
5. SURFACE QUALITY: 60-40 SCRATCH-DIG
6. SURFACE IRREGULARITY: <60 µm, CORRESPONDING TO λ/10 AT 500 GHz
7. CENTRATION: <3 arcmin
8. DIAMETER TOLERANCE: +0.0/-0.2 mm
9. CENTER THICKNESS TOLERANCE: ± 0.20 mm
10. RADIUS OF CURVATURE TOLERANCE: ± 0.50 mm

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION		
	NAME	DATE
DRAWN	DS	07/01/2019
APPROVAL	BW	07/10/2019

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VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUNDOFF ERRORS

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PLANO CONVEX LENS
f=151.5 mm ∅101.6 mm

MATERIAL	REV
Virgin Grade PTFE	C

ITEM #	APPROX WEIGHT
LAT151	0.425 kg