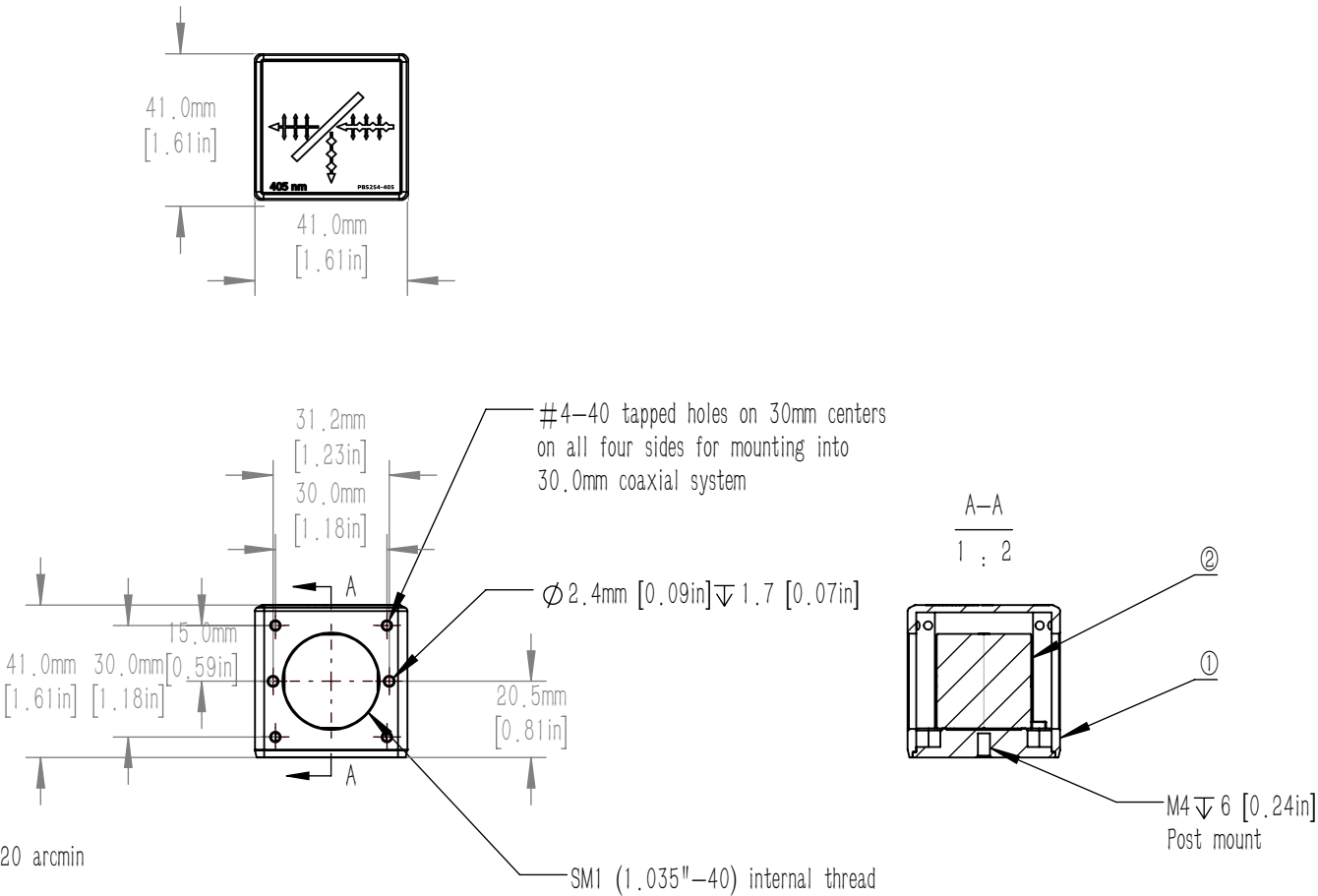


	PART	MATERIAL
①	MECHANICAL HOUSING	BLACK ANODIZED ALUMINUM
②	PBS254-405	UV FUSED SILICA




NOTES/SPECIFICATIONS:

1. OPTIC IS ALIGNED FOR REFLECTED BEAMS TO EXIT AT 90° ±20 arcmin

OPTICAL SPECIFICATIONS:

- CLEAR APERTURE: > Ø20.32 mm
- SURFACE QUALITY: 40-20 SCRATCH-DIG
- TRANSMITTED WAVEFRONT ERROR: <λ/4 AT 633 nm OVER Ø20.32 mm
- TRANSMITTED BEAM DEVIATION: ±5 arcmin
- EXTINCTION RATIO: Tp/Ts >3000:1
- TRANSMISSION (P POLARIZATION): >95%
- REFLECTION EFFICIENCY: Rs>99.5%
- COATING (ALL 4 OUTER OPTICAL SURFACES): VAR 405 nm, Rabs: <0.25%, 0° AOI

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION						
	NAME	DATE	30mm Cage Mounted 25.4mm Polarizing Beamsplitter Cube 405nm, M4 Tap			
DRAWN	CWD	2022/5/18	PBS254-405MM			
APPROVAL	ZSE	2022/5/18	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES			SEE TABLE	0.085kg	1 : 1	A