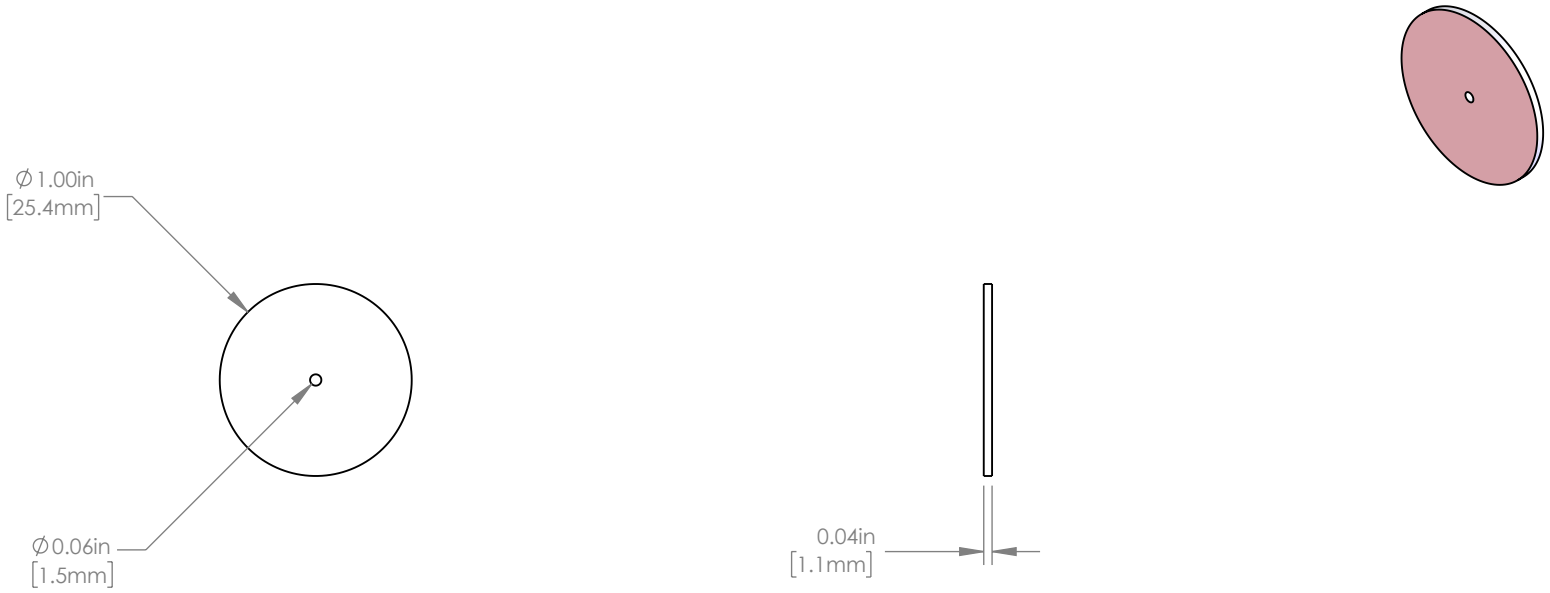


NOTES/SPECIFICATIONS:

1. DESCRIPTION: VIS/IR FLUORESCING ALIGNMENT DISK
2. ACTIVE REGION: Ø1" (Ø25.4 mm)
3. PHOSPHOR TYPE: STORAGE PHOSPHOR
4. CHARING REQUIRED: YES
5. ABSORBTION BAND: 400 - 640 nm CHARGING AND STIMULATION, 800 - 1700 nm STIMULATION
6. EMISSION BAND: 580 - 750 nm
7. PEAK EMISSION: 650 nm
8. PERSISTENCE (STIMULATION REMOVED): IR <0.5 s (DEPENDENT ON AMBIENT LIGHT)
9. MINIMUM STIMULATION PULSED (IN DARK CONDITIONS): 250kW/cm² @1064nm, 7 ns Pulses, 10 Hz
10. DAMAGE THRESHOLD, SINGLE 7 ns PULSE: 35 MW/cm² @ 1064nm
11. HOUSING MATERIAL: ALUMINUM

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION		
	NAME	DATE
DRAWN	TA	16/AUG/24
APPROVAL	RH	20/MAI/25

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VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUNDOFF ERRORS

THORLABS
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1" VISIBLE AND IR
(400 - 640 nm, 800 - 1700 nm) ALIGNMENT DISK

MATERIAL	REV
N/A	B

ITEM #	APPROX WEIGHT
VRC2D1	1.4 g