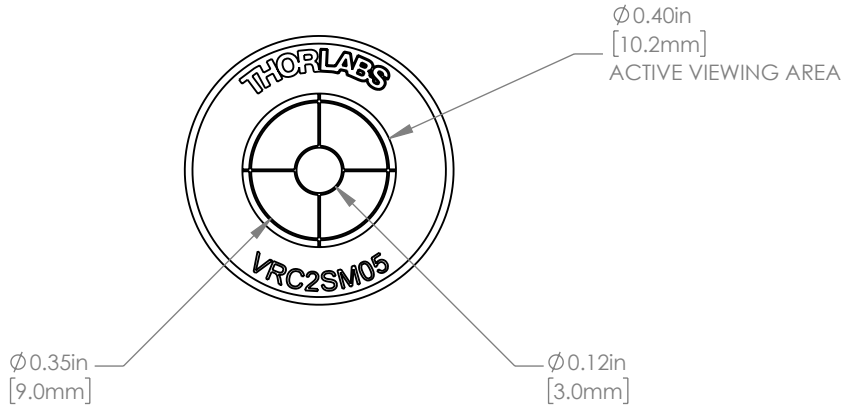
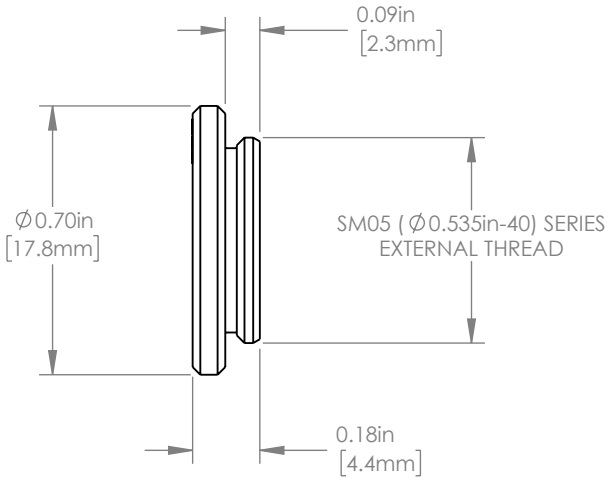



SCALE 2:1




NOTES/SPECIFICATIONS:

1. DESCRIPTION: VIS/IR FLUORESCING ALIGNMENT DISK IN EXTERNALLY SM05-THREADED HOUSING
2. ACTIVE REGION: Ø0.40" (Ø10.2 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/22 |
| APPROVAL | RH | 20/MAY/25 |

COPYRIGHT © 2022 BY THORLABS

VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUNDOFF ERRORS

THORLABS
www.thorlabs.com

SM05 VISIBLE AND IR (400 - 640 nm, 800 - 1700 nm) ALIGNMENT DISK

| MATERIAL | REV |
|---|---|
| N/A | C |

| ITEM # | APPROX WEIGHT |
|---|---|
| VRC2SM05 | 1.5 g |