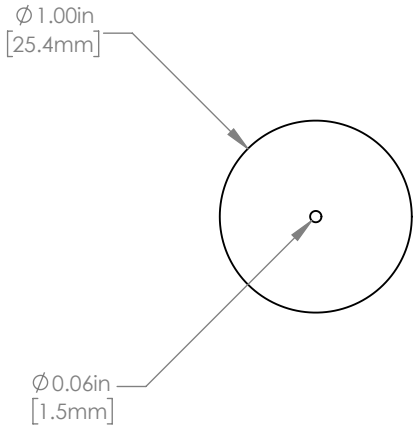
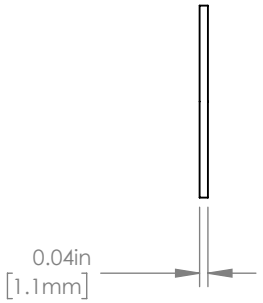






NOTES/SPECIFICATIONS:

1. DESCRIPTION: NIR FLUORESCING ALIGNMENT DISK
2. ACTIVE REGION: Ø1.0" (Ø25.4 mm)
3. PHOSPHOR TYPE: ANTI-STOKES
4. REQUIRES CHARGING: NO
5. ABSORPTION BAND: 720 - 820 nm, 890 - 1065 nm, 1490 - 1590 nm
6. EMISSION BAND (ABSORPTION WAVELENGTH DEPENDENT): 540 - 560 nm, 650 - 670 nm, 800 - 820 nm, 950 - 1030 nm
7. PEAK EMISSION (ABSORPTION WAVELENGTH DEPENDENT): 665, 548, 554, 668, 982, 1004 nm
8. VISIBLE EMISSION, MINIMUM STIMULATION PULSED (IN DARK CONDITIONS): 250 kW/cm² @1540 nm, 8 ns PULSE WIDTH 20 Hz
9. DAMAGE THRESHOLD SINGLE PULSE: 35 MW/cm² @ 1540 nm @ 8.4 ns PULSE WIDTH

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION		
	NAME	DATE
DRAWN	TA	14/JUL/25
APPROVAL	RH	14/JUL/25

COPYRIGHT © 2025 BY THORLABS

VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUNDOFF ERRORS

THORLABS
www.thorlabs.com

1" NIR (720 - 820, 890 - 1065, 1490 - 1590 nm) VIEWING DISK

MATERIAL	REV
N/A	A

ITEM #	APPROX WEIGHT
VRC8D1	1.4 g