



- MINIMUM STIMULATION FOR VISIBLE EMISSION:  
CONTINUOUS: <math><1 \text{ nW/cm}</math> @ 450 nm  
<math><25 \mu\text{W/cm}</math> @ 950 nm  
(MEASURED UNDER DARKENED CONDITIONS)
- NdYAG: 2 kW/cm @ 1064 nm  
(7 ns PULSE @ 10 Hz, LOW AMBIENT LIGHT)
- MAXIMUM STIMULATION  
NdYAG: 60 MW/cm @ 1064 nm, (7 ns pulse, single pulse)
- STIMULATION RANGE: (SEE GRAPH)  
BAND 1: <math><400 \text{ nm}</math> to <math>640 \text{ nm}</math>  
BAND 2: <math><800 \text{ nm}</math> to <math>>1700 \text{ nm}</math>
- TYPICAL APPLICATIONS  
BAND 1: Ar, HeNe, HeCd, Nd:YAG ETC  
BAND 2: NIR LED'S, LD'S, Nd:YAG, 1550 nm TELECOMMUNICATIONS
- EMISSION COLOR: (SEE GRAPH)  
ORANGE/RED CENTERED @ 635 nm  
BROADBAND EMISSION 600 nm TO 730 nm (10% VALUES)
- PERSISTENCE  
IR STIMULATION <math><0.5 \text{ s}</math>  
VISIBLE STIMULATION 0.5 - 3 s  
(AMBIENT LIGHTING DEPENDENT)

- DETECTS RADIATION AS LOW AS 1nW/cm
- FREE OF HAZARDOUS REFLECTIONS
- THREE WAVELENGTH RANGES IR, VIS AND UV

**FOR INFORMATION ONLY, NOT FOR MANUFACTURING**

**THORLABS INC.** PO BOX 366  
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TITLE:  
1/2" VISIBLE / IR VIEWING DISC

MATERIAL:	SIZE A	REV. 1
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SCALE: 1:1 SHEET 1 OF 1

DWG. NO. 19183-001	PART NO. VRC2D05
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