



**- MINIMUM STIMULATION FOR VISIBLE EMISSION:**

CONTINUOUS:  $<1 \text{ nW/cm} @ 450 \text{ nm}$   
 $<25 \mu\text{W/cm} @ 950 \text{ nm}$   
 (MEASURED UNDER DARKENED CONDITIONS)

NdYAG:  $2 \text{ kW/cm} @ 1064 \text{ nm}$   
 (7 ns PULSE @ 10 Hz, LOW AMBIENT LIGHT)

**- MAXIMUM STIMULATION**

NdYAG:  $60 \text{ MW/cm} @ 1064 \text{ nm}$ , (7 ns pulse, single pulse)

**- STIMULATION RANGE: (SEE GRAPH)**

BAND 1:  $<400 \text{ nm to } 640 \text{ nm}$   
 BAND 2:  $<800 \text{ nm to } >1700 \text{ nm}$

**- 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  $<0.5 \text{ s}$   
 VISIBLE STIMULATION 0.5 - 3 s  
 (AMBIENT LIGHTING DEPENDENT)

- DETECTS RADIATION AS LOW AS  $1 \text{ nW/cm}$
- 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" VISIBLE / IR VIEWING DISC**

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

DWG. NO. 19184-001	PART NO. VRC2D1
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