

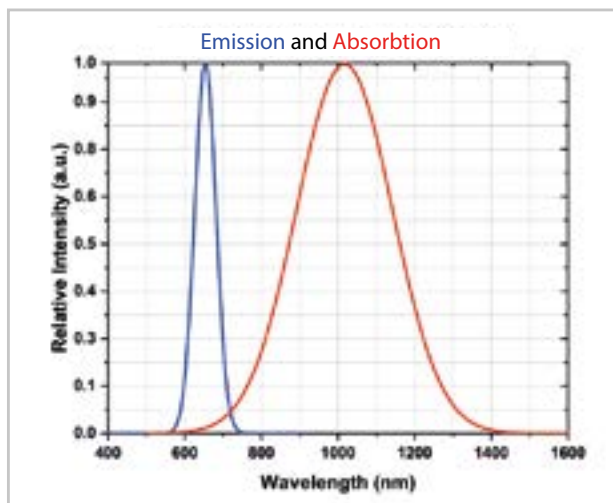
IR Detector Card LDT-007BN 700 – 1400 nm

The new IR Detector card LDT-007BN is suitable to detect low and medium power IR light from IR laser diodes, low power ND:YAG lasers and IR LED'S. There is no need to optically charge LDT-007BN, and more importantly, it will not discharge (non-fade use). There is a constant light output for steady light input, and will detect IR at powers as low as $8 \mu\text{W}/\text{cm}^2$ @ 1064 nm.



Model	LDT-007BN
Emission color	orange - red (approx. 654 nm)
Stimulation range	700 nm – 1400 nm
Screen material	active phosphor on cardboard
Active area	45 mm x 25 mm
Minimum stimulation (cw)	$8 \mu\text{W}/\text{cm}^2$ @1064 nm
Maximum stimulation (single pulse)	$35 \text{ MW}/\text{cm}^2$ @1064 nm, 7 ns (estimated)
Persistence (stimulation removed)	< 50 ms

Technical changes reserved.



Emission and Absorption plots (estimated).