ντιμης NEW NIR to Visible Light Converting Glass **YAGLASS-T** Glass containing nano-sized crystals ~ YAGLASS-T detects/converts near-infrared (NIR) light, such as YAG laser beam, to visible light. YAGLASS YAGLASS-T Detection image (Conventional model) •YAGLASS-T is high transparent glass which contains nanosized crystals.

•High threshold against high-power YAG lasers.

 Compared to the conventional model, YAGLASS-T is lightweight, and more resistant to cracking and chipping.

•Same emission intensity (0.55 µm) as the conventional model

RoHS: Compliant

Custom dimensions are available upon request.

80 60

Transmission Spectrum (2.5mmT)

100

40

ransmittance / %

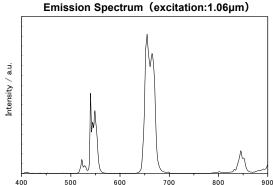
20 200 400 600 800 1000 1200 1400 1600 1800 2000 Wavelength / nm

Specifications and Basic Properties

Dimensions of detection glass (standard size)	20×20×2.5 mm
Detectable range of wavelength	0.9 - 1.07 μm
Detecting sensitivity (when laser at 1.06 μm is used)	30 mW/mm ²
Emission wavelength	0.55 μm, 0.66 μm
Refractive index (nd)	1.539
Transformation point (Tg)	584°C
Thermal expansion (100 - 300°C)	89×10 ⁻⁷ /°C
Specific gravity S.g	3.4
Surface damage threshold (Irradiated laser at wavelength of 1.06 μm and pulse width of 10 ns)	51 J/cm ²

Warning
• Operators should wear laser protective goggles which corresponds to scattered beam to avoid direct or reflected beam
• The detection part is made of glass. Please handle with care.

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600 700 Wavelength / nm

* The specifications of the product may be changed without prior notice