

# 660nm Visible Red Single Laser Dental Probe



Wavelength	660nm @ 25° C
Semi-conductor Material	AlGaInP
Construction	Multi-Quantum well
Average Power	75mW
1/e <sup>2</sup> Spot Size & Shape**	0.575cm, circular
-3dB Spot Size & Shape	0.25cm, circular
1/e <sup>2</sup> Spot Size Area**	0.260cm <sup>2</sup>
-3dB Spot Size Area	0.0491cm <sup>2</sup>
1/e <sup>2</sup> Power Density**	0.245W/cm <sup>2</sup>
-3dB Power Density	0.764W/cm <sup>2</sup>
Beam divergence half angle	30°
Beam divergence full angle	60°
1/e <sup>2</sup> Power Density at 1.5cm ***	0.0255W/cm <sup>2</sup>
NOHD*	35cm
Safety Spectacles	OD 3+ at 660nm
Classification Class	3B LASER
Application	Wound healing and dermatology

\* NOHD - Nominal Ocular Hazard Distance - The distance at which the Laser output is safe to view without safety spectacles i.e. below the MPE.

\*\* 1/e<sup>2</sup> The spot size is recommended to be used for dosage calculations

\*\*\* The recommended treatment distance for intra oral mucosal tissue is 1.5cm