

Oral Presentation

[PRJ2]Optical Components

Chair: Hidekazu Hatanaka (USHIO)

Co-Chair: Juiwei Pan (Chiao Tung Univ.)

Thu. Nov 28, 2019 9:00 AM - 10:20 AM Room 108 (1F)

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[PRJ2-4]High Power Red Laser Diode for Projector Light Source

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Keywords:red laser, laser projector, speckle reduction, wall plug efficiency, tensile strain

We developed 638nm and 642nm red laser diodes with 3.5W pulse / 2.4W CW operation. The 3.5W pulsed operation and wall plug efficiency of 43% are the world's highest in 638nm to the best of our knowledge. The lineups of multiple wavelengths are ideal as red light sources for projector.