

Laser Diodes

TO33, TO56 and TO90 Laser Diodes from 400 - 950 nm



Light Avenue laser diodes are available from 400 to 950 nm in multi- and singlemode, with and without monitor-diode in various power classes from 10 mW up to 3.5 W in case of 450 nm.



Applications

- ✓ Medical
- ✓ Projection
- ✓ Illumination
- ✓ Industry

Features

- ✓ Customer specific measurement and selection is possible upon request
- ✓ Very powerful lasers for cw and pulsed operation
- ✓ Low cost high performance lasers especially at 660 nm
- ✓ Easy mechanical setup (THT) with a small standard package
- ✓ Hermetic sealing ensures protection against moisture and dust
- ✓ Good thermal coupling through metal core and housing
- ✓ Antireflection coating of the flat TO-Cap (product specific)
- ✓ Customized laser packages with laser module including lens inside TO can upon request

| PRODUCT | TYPE | λ_p (nm) | Φ_e (mW) | I_{th} (mA) | BEAM MODE | MONITOR DIODE |
|--------------|------|------------------|---------------|---------------|-------------|---------------|
| LA LM56UXSH1 | TO56 | 406 | 300 | 140 | multi mode | no |
| LA LM56HBSX1 | TO56 | 450 | 1500 | 200 | multi mode | no |
| LA LS56HBSM2 | TO56 | 450 | 100 | 17 | single mode | no |
| LA LS56CYSM1 | TO56 | 488 | 50 | 40 | single mode | no |
| LA LS56SGCL1 | TO56 | 520 | 10 | 30 | single mode | yes |
| LA LS56SGCM2 | TO56 | 520 | 80 | 40 | single mode | yes |
| LA LS56DRSM2 | TO56 | 638 | 200 | 60 | single mode | no |
| LA LS56DRSX1 | TO90 | 640 | 2100 | 550 | multi mode | no |
| LA LS56HRSM3 | TO56 | 650 | 200 | 55 | single mode | no |
| LA LS33HRCL1 | TO33 | 660 | 7 | 17 | single mode | yes |
| LA LS56HRSM1 | TO56 | 660 | 95 | 40 | single mode | no |
| LA LS56NISH1 | TO56 | 830 | 250 | 48 | single mode | no |
| LA LS56MISH1 | TO56 | 940 | 250 | 45 | single mode | no |

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