LiDAR用途や様々なセンサ光源に最適な赤外高出力レーザー
Optimized for LiDAR Applications and Sensor Light Sources

赤外高出力半導体レーザー（LiDAR用）
Infrared High Output Laser Diodes (for LiDAR)

RLD90QZW series

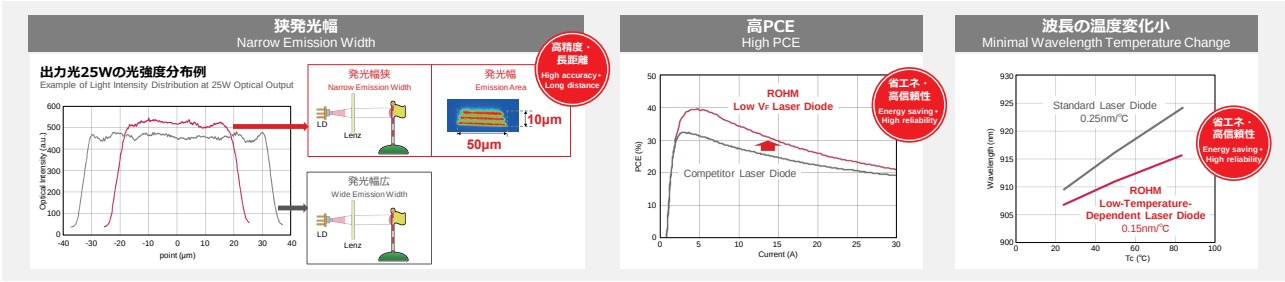
Features

- **業界標準Φ5.6パッケージ採用**
  Available in the industry-standard Φ5.6 package
- **狭発光幅を実現**
  Narrow emission width
- **高PCEを実現（PCE:Power Conversion Efficiency）**
  High PCE (Power Conversion Efficiency)
- **業界最高水準の良好な波長温度特性**
  Industry-leading wavelength temperature characteristics

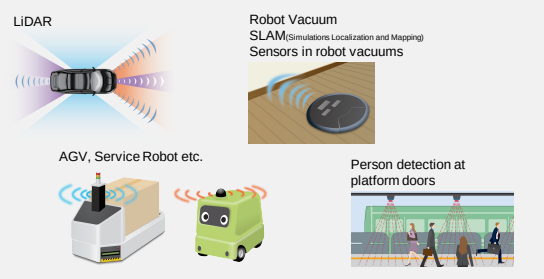
Applications

- **レーザーレンジファインダ**
  LiDAR (Light Detection And Ranging)
- **自動搬送車**
  Industrial automation
- **セキュリティ**
  Security

特長(狭発光幅、高PCE、波長温度変化小)
Provides a Number of Advantages: Narrow Emission Width, High PCE, Minimal Wavelength Temperature Change



使用例
Application Examples



ラインアップ
Lineup

Part No.	λ (nm)	Absolute Maximum Ratings (Tc=25℃)			Electrical and Optical Characteristics (Tc=25℃)						Condition Po (W)※
		IF (A)	VR (V)	Topr Max (℃)	ITH (A)	Iop (A)	Vop (V)	Θ⊥ (deg)	Θ// (deg)	Emitting Area (μm×μm)	
RLD90QZW6	905	11	2	85	0.4	9	15	25	14	50×10	25
RLD90QZW5	905	11	2	85	0.4	9	13	25	12	70×10	25
RLD90QZWD	905	11	2	85	0.6	9	10	25	12	100×10	25
RLD90QZW3	905	30	3	85	0.9	27	14	25	10	230×10	75
☆RLD90QZW8	905	50	3	85	1.0	42	16	25	10	270×10	120

☆: Under Development　※：50ns pulse width, 0.05% duty ratio