

# AlGaAs laser diode

## RLD-78MA

The RLD-78MA is world's first mass-produced laser diodes that is manufactured by molecular beam epitaxy. The signal-to-noise ratio is stable in comparison to conventional manufacturing techniques. This device is ideal for use in compact disc players.

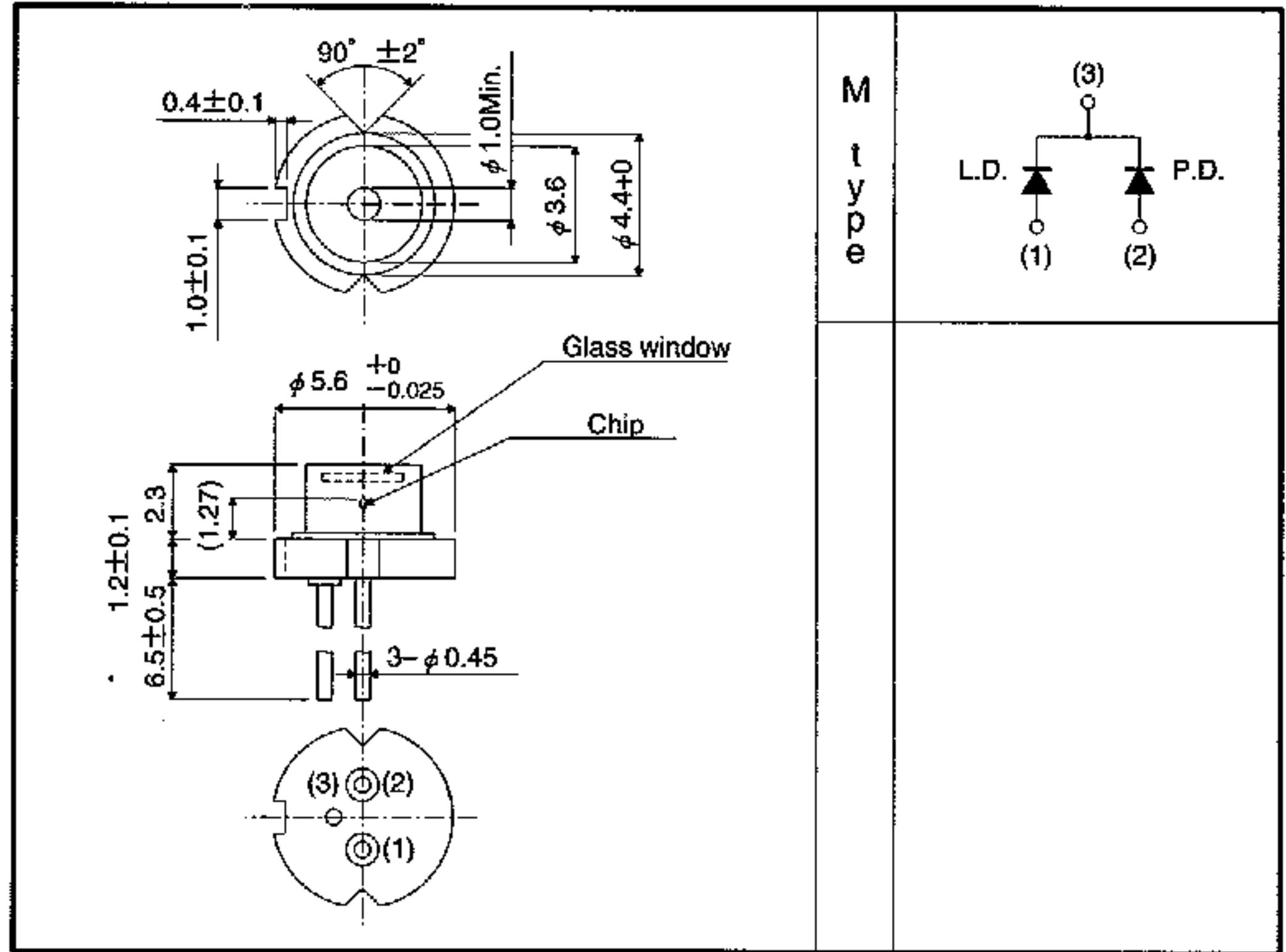
●Applications

Compact disc players

●Features

- 1) Noise is independent of optical feedback.
- 2) Signal-to-noise ratio guaranteed over entire operating temperature range.
- 3) Reduced facet reflection.
- 4) One-third the dispersion compared with conventional laser diodes.
- 5) High-precision, compact package.

●External dimensions (Unit: mm)



●Absolute maximum ratings (Tc = 25°C)

Parameter		Symbol	Limits	Unit
Output		Po	5	mW
Reverse voltage	Laser	V <sub>R</sub>	2	V
	PIN photodiode	V <sub>R(PIN)</sub>	30	V
Operating temperature		T <sub>opr</sub>	-10~+60	°C
Storage temperature		T <sub>stg</sub>	-40~+85	°C

For Compact Discs