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| Product | Laser diode |
| Package | RLD78PZM7 |

| Materials | Flow chart | | | Name of process | Used equipment & machine | Controlled item |
|----------------|---|---------------------|--------------|----------------------|---|--|
| | Material acceptance | Preparatory process | Main Process | | | |
| LD chip | <pre> graph TD Start(()) --> A1{1} A1 --> P2((2)) P2 --> A3{3} A3 --> P4((4)) P4 --> P5((5)) P5 --> A6{6} A6 --> P7((7)) P7 --> A8{8} A8 --> P9((9)) P9 --> A10{10} </pre> | | | Acceptance test | Visual | Appearance |
| Submount | | | | Chips preparation | Braking machine Expander | Appearance Air pressure Temperature |
| | | | | Acceptance test | Microscope | Appearance |
| | | | | Die-&wire-bonding(1) | ALDW40 | Temperature DB load Ultrasonic power WB load |
| | | | | Measurement | ALDW40 | Probe state I-L characteristics I-V characteristics |
| Stem | | | | Inspection(1) | Tension gauge | Wire-pull resistivity Peel-off resistivity |
| Pin Photo Di | | | | Die-&wire-bonding(0) | APDW | Temperature Ultrasonic power |
| Ag paste | | | | Inspection(0) | | PD,DB position Wire-pull resistivity |
| Bondhing agent | | | | Die-&wire-bonding(2) | ASDW | Peel-off resistivity Temperature DB load Ultrasonic power |
| | | | | Inspection(2) | Microscope Tension gauge FFP standard Correct monitorscope | Wire-pull resistivity DB load Facet inclination △XYZ |

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| Cap | | | | Can sealing | AACL | Air pressure N2 pressure Humidity |
| | | | | Inspection for sealing | Cutting nipper Micrometer Correct monitorscope | Weld strength Weld extrusion Degree of decentering |
| | | | | Products burn-in test | AATB | Set temperature I-L characteristics (100% test) |
| | | | | Final measurement Marking | ATMS | Temperature I-L characteristics I-V characteristics Positional accuracy FFP Wavelength Appearance (100% test) |
| | | | | Appearance check | Microscope | Crazing and dirt of lens Flaws of stem In deposition (100% test) |
| | | | | Quantity treatment | Calculator | Quantity check |
| | | | | Packing | | Slip Indication check |
| | | | | Shipment inspection | | Outer label and contents check |
| | | | | Packaging | | Detailed statement for shipment Packing condition |
| | | | | Shipment | | |

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