

BEITESI S054



BEITESI Industrial Laser Module Group (Point-4pack)

Model: S054

1. PRODUCT OVERVIEW

The BEITESI S054 Industrial Laser Module Group consists of four compact laser modules designed for various applications requiring precise aiming, positioning, or signal generation. Each module features an adjustable focal length and a durable construction, ensuring reliable performance over an extended operational lifespan.

- **Quantity:** 4 laser modules per set.
- **Expected Lifespan:** Over 10,000 hours of operation.
- **Power Requirements:** 3V-5V DC input.
- **Output Power:** Class II, less than 1mW.
- **Key Feature:** Adjustable focal length by rotating the head cover.

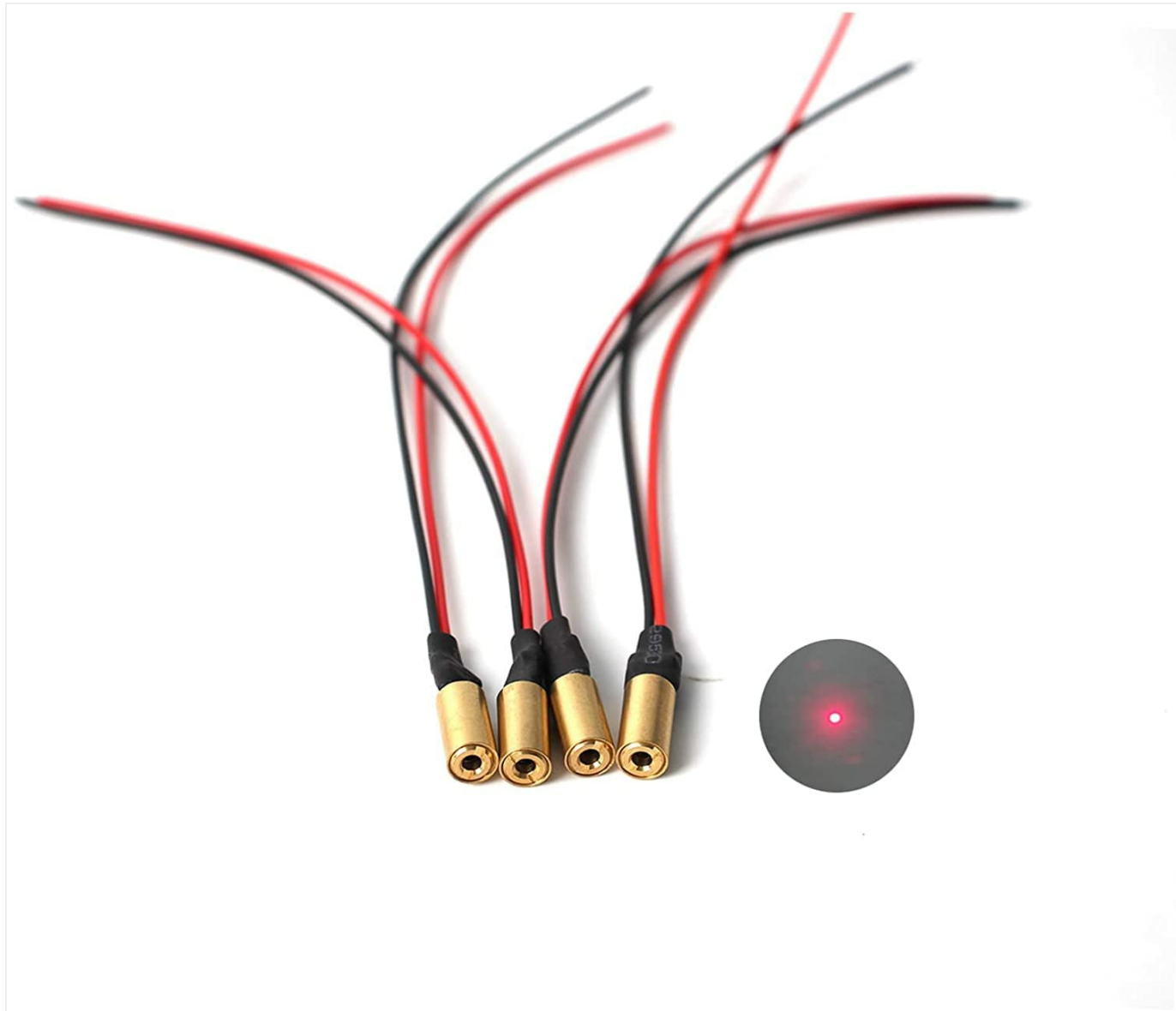


Image: Four BEITESI S054 Point Laser Modules, showing their compact design and wiring.

2. SAFETY INFORMATION

This product contains a Class II laser. Adhere to the following safety guidelines to prevent injury:

- **DO NOT** stare directly into the laser beam.
- **DO NOT** point the laser at people or animals.
- **DO NOT** aim the laser at reflective surfaces.
- Ensure the laser is used in a controlled environment where accidental exposure is minimized.
- Keep out of reach of children.
- Use appropriate laser safety eyewear if prolonged exposure or direct viewing is possible.

3. SETUP

Follow these steps to set up your BEITESI laser module:

1. **Unpack:** Carefully remove the laser modules from their packaging.
2. **Power Connection:** Connect the red wire to the positive (+) terminal of a 3V-5V DC power supply and the black wire to the negative (-) terminal. Ensure correct polarity to prevent damage.

3. **Mounting (Optional):** Secure the laser module in your desired application using appropriate mounting hardware. The compact design allows for integration into various systems.



Image: Two laser modules illustrating the wire length (approximately 14cm or 5.5 inches) and indicating the adjustable focus head.

4. OPERATING INSTRUCTIONS

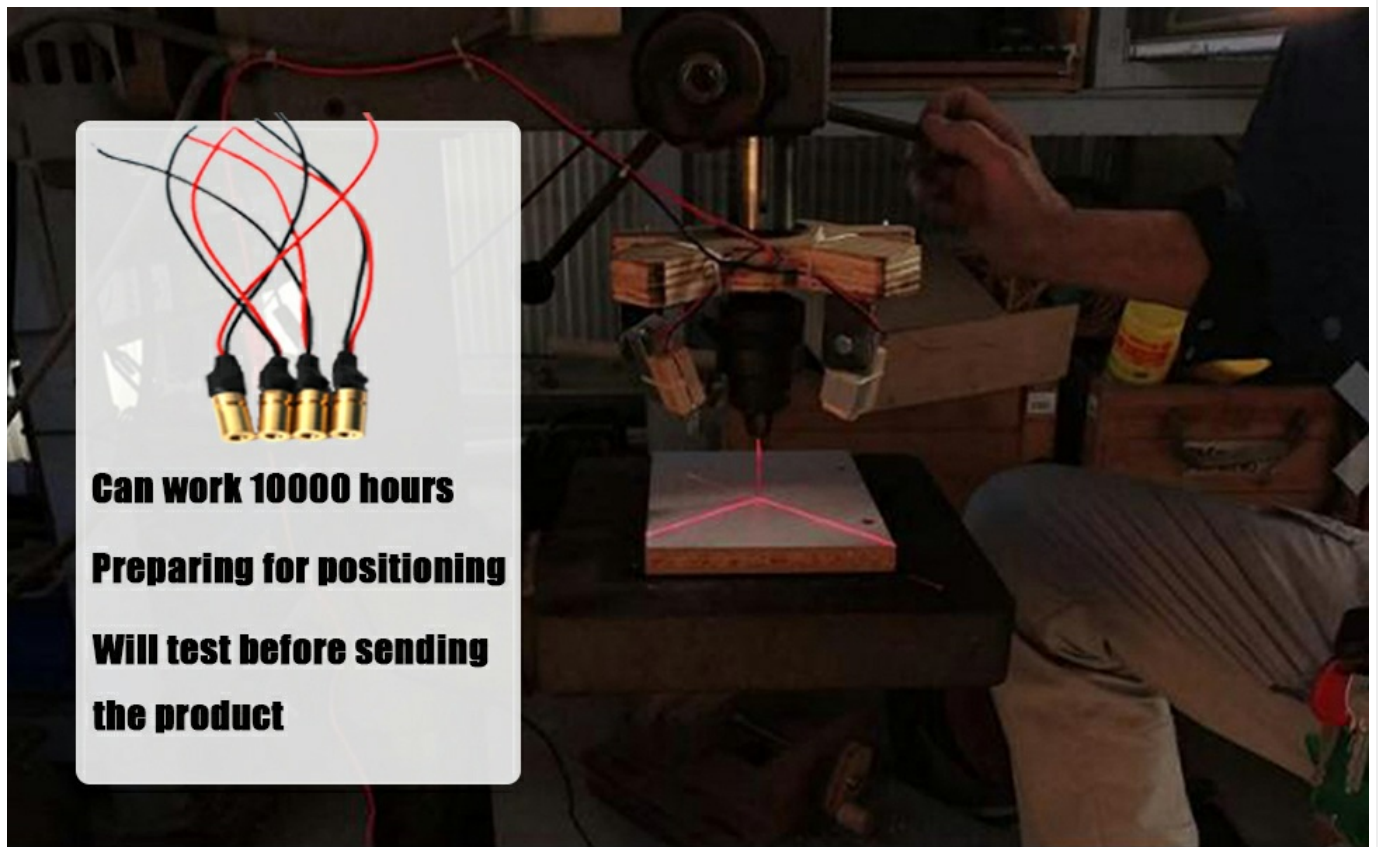
Once connected to power, the laser module will emit a red laser point. The primary operational adjustment is the focal length.

1. **Power On:** Apply 3V-5V DC power to the module. The laser will activate.
2. **Adjusting Focus:** To adjust the focal length, gently rotate the brass head cover of the laser module. Rotate clockwise or counter-clockwise until the desired laser point sharpness and size are achieved at your working distance.
3. **Application:** Use the focused laser point for aiming, precise positioning, or as a component in laser testing and signal generation equipment.

**Puoi ruotare la testa
per regolare la messa a
fuoco**



Image: A red laser dot projected onto a wooden surface, illustrating the effect of focus adjustment.



Can work 10000 hours
Preparing for positioning
Will test before sending
the product

Image: A person operating a drill press, with a laser crosshair projected onto the workpiece, demonstrating a practical application for precise positioning. An inset shows the four laser modules.

5. MAINTENANCE

The BEITESI laser modules are designed for durability and require minimal maintenance.

- **Cleaning:** Keep the laser aperture clean and free from dust or debris. Use a soft, lint-free cloth if cleaning is necessary. Avoid abrasive materials.
- **Storage:** Store the modules in a dry, cool environment when not in use.
- **Power Supply:** Always use a stable 3V-5V DC power supply to prevent damage to the module.

6. TROUBLESHOOTING

If you encounter issues with your laser module, consider the following:

- **No Laser Output:**
 - Check power connections: Ensure red wire is connected to positive (+) and black to negative (-).
 - Verify power supply: Confirm the power supply is providing 3V-5V DC and is functional.
 - Inspect wires: Check for any damaged or loose wires.
- **Unfocused Laser Point:**
 - Rotate the brass head cover to adjust the focal length until the desired sharpness is achieved.
- **Intermittent Operation:**
 - Ensure all connections are secure and stable.
 - Check for overheating; ensure adequate ventilation if operating for extended periods in enclosed spaces.

7. SPECIFICATIONS

Brand	BEITESI
Model Number	S054
Product Type	Industrial Laser Module Group (Point)
Quantity	4 pieces
Material	Metal or Plastic
Laser Type	Red Point Laser
Output Power	Class II, <1mW
Operating Voltage	3V-5V DC
Module Diameter	6mm
Wire Length	Approx. 100mm (4 inches)
Weight per Unit	Approx. 16.0 Grams
Features	Adjustable Focal Length

8. WARRANTY AND SUPPORT

Specific warranty information for this product is not provided in the available data. For any support inquiries, technical assistance, or warranty claims, please refer to the retailer or manufacturer's official contact channels.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question