

# 25G SFP28 SR



## ► Features

- Supports 25.78125Gb/s bit rate
- Compliant to SFF-8431/SFF-8432
- 25.78125Gb/s data links
- 6 CWDM wavelength from 1271nm to 1371nm
- +3.3V single power supply
- Low DC power consumption
- High performance CWDM DML laser
- High sensitivity PIN/TIA optical receiver
- Built-in CDR
- Digital diagnostics functions are available via the I2C interface
- Operating case temp Commercial: 0°C to +70 °C  
/ Industrial: -40°C to +85 °C / Special: 0°C to +85 °C
- RoHS compliant

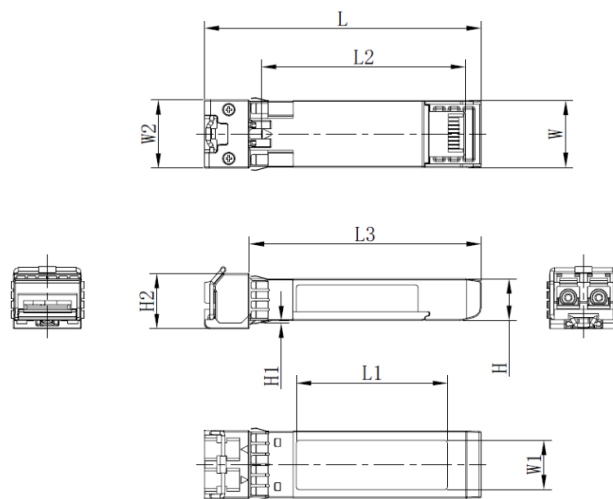
## ► Applications

- 25GBASE LR 25G Ethernet

## ► Absolute Maximum Ratings

| Parameter           | Symbol           | Min. | Typical | Max. | Unit | Notes |
|---------------------|------------------|------|---------|------|------|-------|
| Supply voltage      | V <sub>CC</sub>  | -0.5 | -       | 3.6  | V    |       |
| Storage temperature | T <sub>STG</sub> | -40  | -       | 85   | °C   |       |
| Operating humidity  | RH <sub>OP</sub> | 5    | -       | 85   | %    |       |

## ► Mechanical Dimensions



Unit:mm

|         | L    | L1   | L2    | L3   | W    | W1   | W2   | H   | H1   | H2   |
|---------|------|------|-------|------|------|------|------|-----|------|------|
| MAX     | 56.9 | 31.2 | 41.95 | 47.7 | 13.8 | 10.2 | 14.0 | 8.6 | 0.6  | 11.5 |
| Typical | 56.7 | 31.0 | 41.80 | 47.5 | 13.7 | 10.0 | -    | 8.5 | 0.55 | 11.3 |
| MIN     | 56.5 | 30.8 | 41.65 | 47.3 | 13.5 | 9.8  | -    | 8.4 | 0.5  | 11.1 |