



TOSA-LC 25Gbps 1310nm DFB

Features:

Low threshold current
High bandwidth

Applications:

25Gigabit Ethernet
25G Fiber Channel

Specifications

Absolute Maximum Ratings:

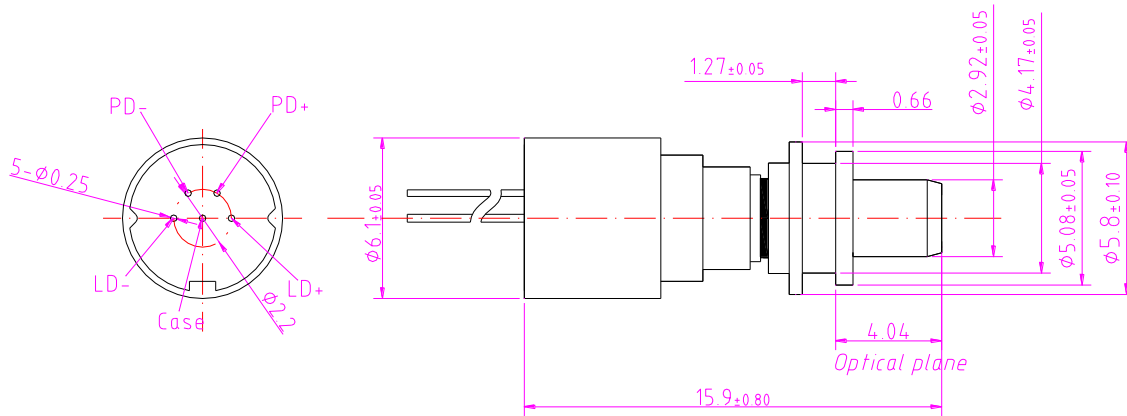
| Parameter | Symbol | Min | Max. | Unit |
|-------------------------|-------------|-----|------|------|
| LD Reverse Voltage | $V_{r(LD)}$ | -- | 2 | V |
| LD Forward Current | $I_{f(LD)}$ | -- | 100 | mA |
| MPD Forward Current | $I_{f(PD)}$ | -- | 1 | mA |
| MPD Reverse Voltage | $V_{r(PD)}$ | -- | 6 | V |
| Operating Temperature | T_{op} | -5 | 85 | |
| Storage Temperature | T_{stg} | -40 | 100 | |
| Lead Solder Temperature | -- | -- | 260 | |
| Lead Soldering Time | -- | -- | 10 | s |

Electro-Optical Characteristics:

| Parameter | Symbol | Test Condition | Min | Typ | Max | Unit |
|-----------------------------|--------------------------------|--|-------|------|-------|-------|
| Threshold Current | I _{th} | T _C =25 | -- | 12 | -- | mA |
| | | T _C =85 | -- | 30 | -- | |
| Forward Voltage | V _f | I _{op} =I _{th} +30mA | -- | 1.3 | -- | V |
| Monitor Current(MPD) | I _m | I _{op} =I _{th} +30mA | 100 | -- | 1000 | uA |
| Dark Current(MPD) | I _d | V _r =5V | -- | -- | 100 | nA |
| Optical Output Power | P _o | I _{op} =I _{th} +30mA | 0.72 | -- | 1.11 | mW |
| Slope efficiency | SE | I _{op} =I _{th} +30mA | 0.024 | -- | 0.037 | mW/mA |
| Central Wavelength | | I _{op} =I _{th} +30mA | 1300 | 1310 | 1320 | nm |
| Spectral Width , -20dB | | I _{op} =I _{th} +30mA | -- | -- | 1 | nm |
| Side-mode suppression Ratio | SMSR | I _{op} =I _{th} +30mA | 30 | -- | -- | dB |
| Rise/Fall Time | T _r /t _f | 20-80% | -- | 20 | -- | ps |
| Tracking Error | TE | -5 ~85 | -1.5 | -- | +1.5 | dB |
| Optical Return Loss | ORL | -- | -- | -- | 35 | dB |



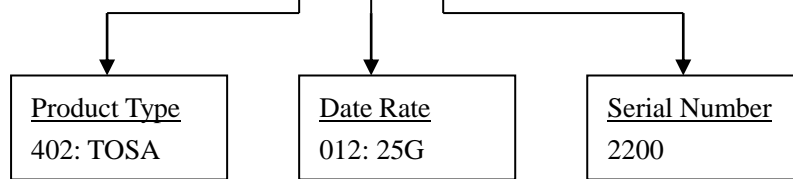
Mechanical Dimension and Pin Assignment:



Order Information:

SAN-U P/N

402 012 2200



Statement

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