



BOSA 10Gbps

Features:

High-stability 1xx0nm DFB laser
InGaAs PIN Photodiode
Single +3.3V power Supply

Applications:

Optical communication systems

Specifications:

Absolute Maximum Ratings

Transmitter Optical& Electrical Characteristics (T=25°C)

| Parameter | Symbol | Test Condition | Min | Typ | Max | Unit |
|----------------------|-----------------|---|-------|-----|------|-------|
| Threshold Current | I _{th} | 25 | -- | -- | 12 | mA |
| | | 85 | -- | -- | 40 | mA |
| Forward Voltage | V _f | I _{op} =I _{th} +20mA | -- | -- | 1.7 | V |
| Monitor Current(MPD) | I _m | I _{op} =I _{th} +20mA | 50 | -- | 1000 | uA |
| Dark Current(MPD) | I _d | V _r =5V | -- | -- | 100 | nA |
| Optical Output Power | P _o | I _{op} =I _{th} +20mA,25 | 0.8 | -- | 1.6 | mW |
| | | I _{op} =I _{th} +20mA,85 | 0.5 | -- | -- | mW |
| Slope efficiency | SE | I _{op} =I _{th} +20mA,25 | 0.04 | -- | 0.08 | mW/mA |
| | | I _{op} =I _{th} +20mA,85 | 0.025 | -- | -- | mW/mA |
| Central Wavelength | W | I _{op} =I _{th} +20mA | | | | |

XIAMEN SAN-U OPTRONICS CO., LTD.

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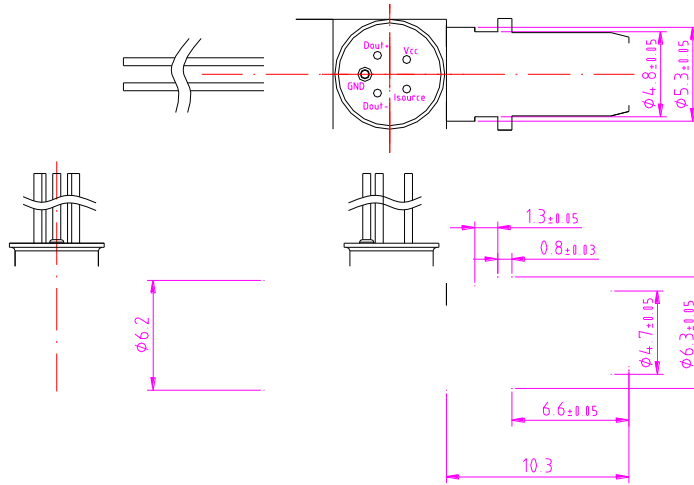
2019.09.12

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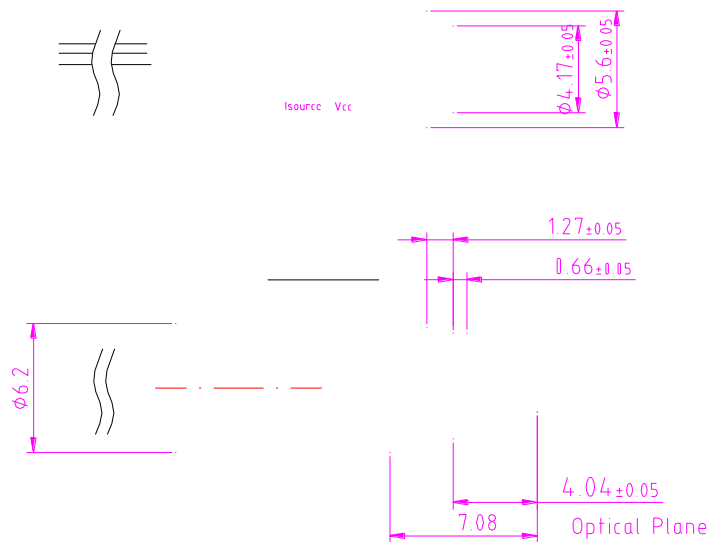
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TYPE - C



TYPE - D



Order Information:

BOSA 10Gbps

| | | | |
|-------------------------------|--|--|--|
| <u>Receptacle</u> LC SC | <u>TX Central Wavelength</u> 1270 DFB 1330 DFB | <u>RX Central Wavelength</u> 1270nm 1330nm | <u>Outline Dimension</u> A:TYPE A B:TYPE B C:TYPE C D:TYPE D |
|-------------------------------|--|--|--|



Statement:

SAN-U owns the authority for final explanation of all information contained in this document, which is subject to change without notice. All the information was obtained in particular environments; and SAN-I b VY Y b VY Y Y aUbW YW aY UW U operating environments. All information contained is only for the users' reference and shall not be considered as warranted characteristics. SAN-U will not be liable for damages arising directly or indirectly which from any use of the information contained in this document.

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