# DWDM SEMI-TUNABLE SFP28 OPTICAL TRANSCEIVER

OptoWiz
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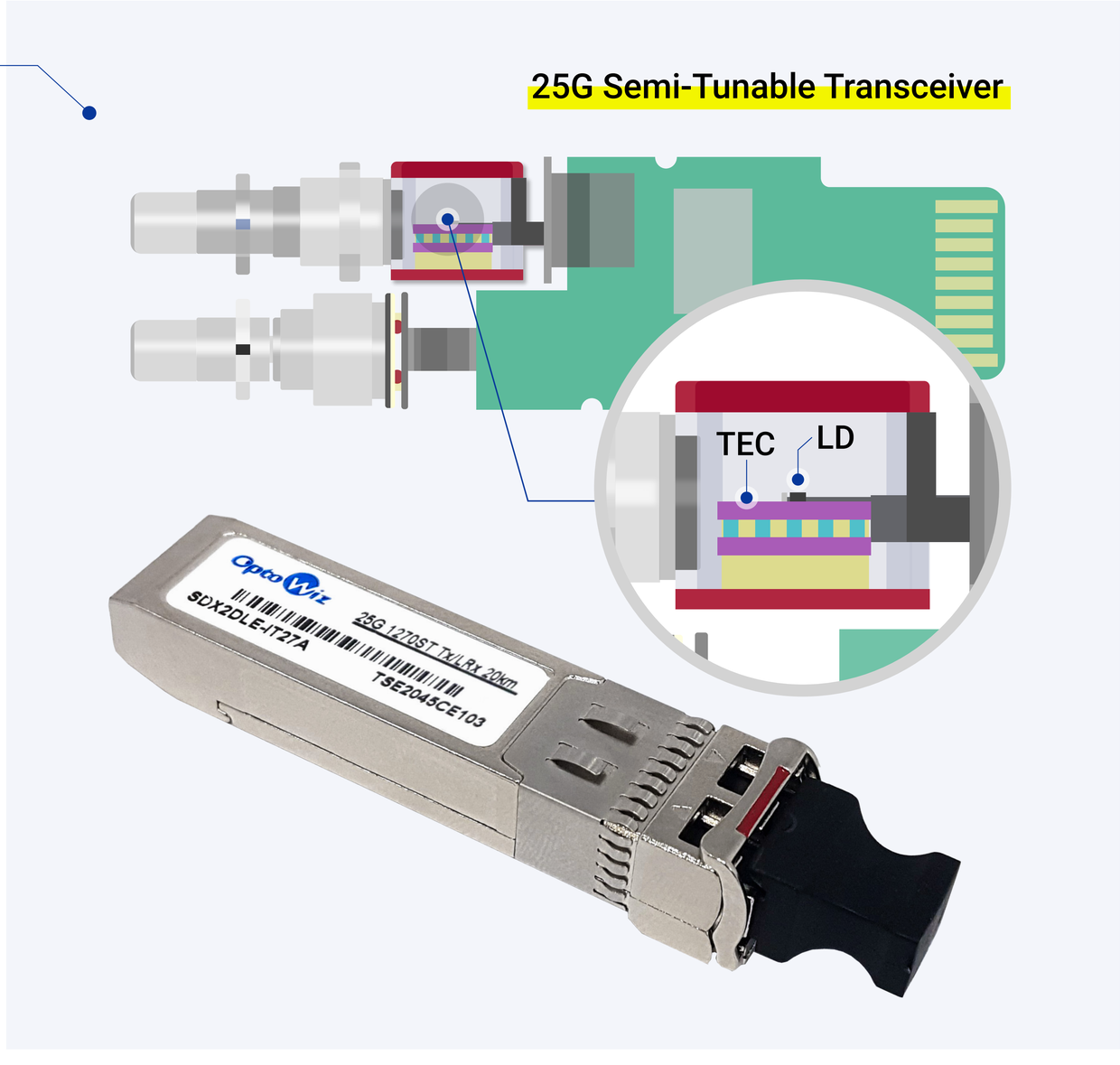
## Features

- 16 DWDM channels over a CWDM band
- 0.8 nm (150GHz) channel spacing DWDM systems
- Semi-tunable operation with four channel tuning by software
- TEC Cooled DFB DML transmitter and APD receiver
- Link length up to 20km G652.D single mode fiber
- Low power dissipation of a max 2.5 W over operating temperature
- -30ºC to 85ºC operating temperature
- Single 3.3V power supply
- SFP+ MSA package with Duplex LC connector
- Hot pluggable
- Compliant with SFF-8472, SFF-8431,SFF-8432 and IEEE802.3ae




25G Semi-Tunable Transceiver

## Definition of semi-tunable laser

typically wavelength tunable laser covers 32 nm for 40 DWDM channels. Semi-tunable laser is to allow few nano meter wavelength tuning with a simple TEC on a DFB LD chip. This semi-tunable expects to give inventory cost saving while giving maximum value of usage of the tunable lasers

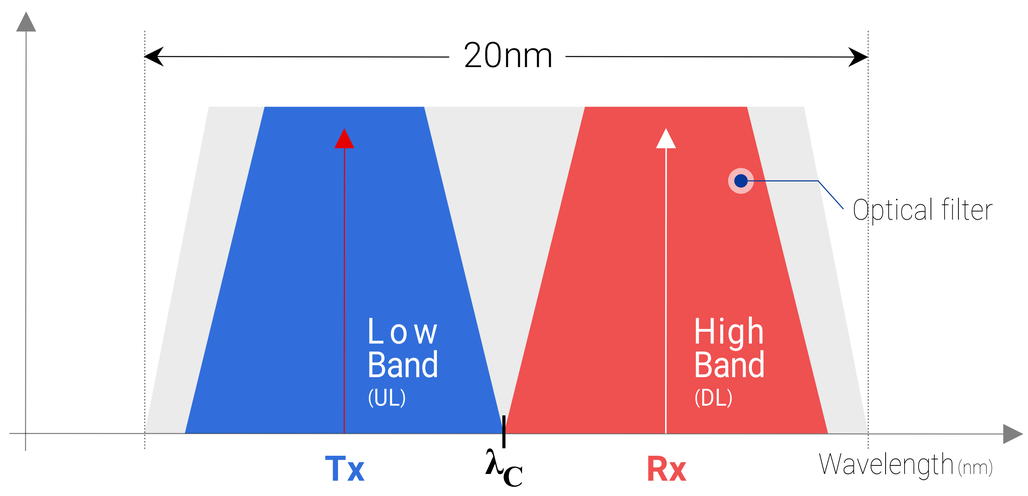
## Applications

- DWDM 25G Ethernet (with/without FEC)
- DWDM 10G Ethernet
- DWDM 10G/25G CPRI 7/8/9/10

# HD(HIGH-DENSITY) SFP/SFP+ OPTICAL TRANSCEIVER

## 2WL HD-SFP/SFP+

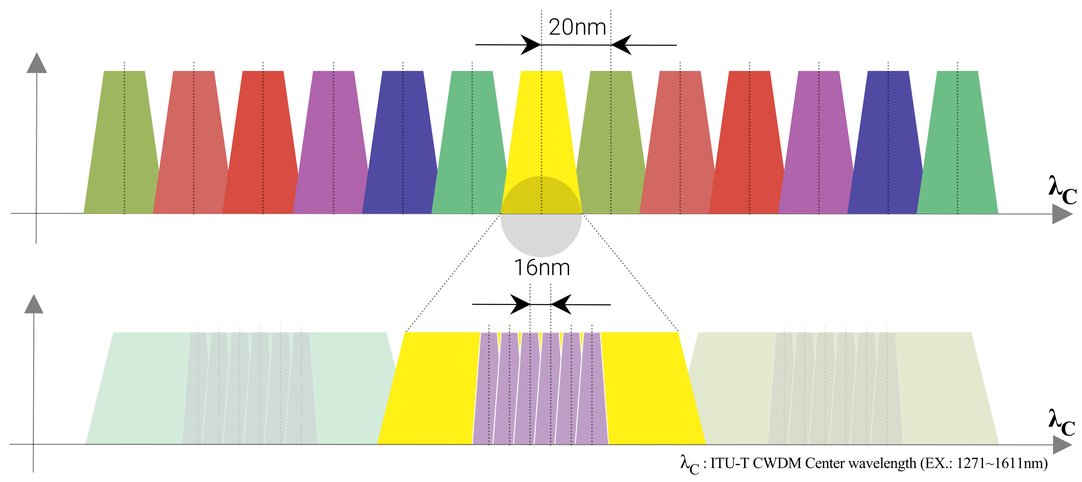
- In 2WL HD-SFP, CWDM band are standardized by ITU-T G.694.2
- Up to 1Gbps/3Gbpd/6Gbps/10Gbps is supported
- Developed to use CWDM in a more efficient manner
- Possible to do bi-direction communication without the influence of Back-Reflection or Rayleigh Scattering
- Pigtail and plug type available




2WL HD-SFP wavelength

## 6WL HD-SFP/SFP+

- 20nm wavelength is divided for TX and RX channel
- Channel capacity of 2 Core system can be 6 times larger than the basic channel capacity (16ch → 96ch)
- Duplex type 6WL HSFP is developed
- Multi-Rate available : Up to 10Gbps
- Available extended 8WL
- Pigtail and plug type available




6WL HD-SFP Wavelength