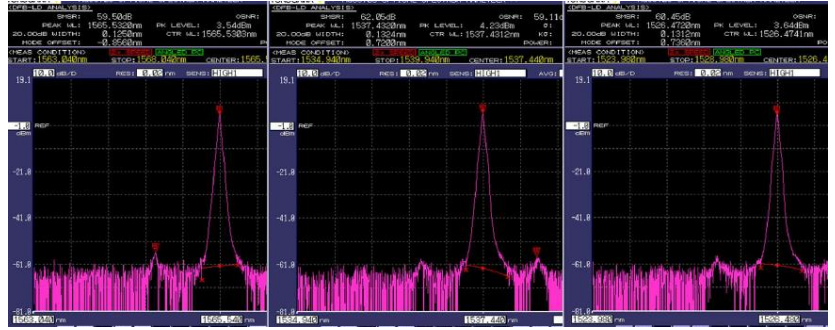


Low-Cost 10Gbps Tunable SFP+

extended SFP+

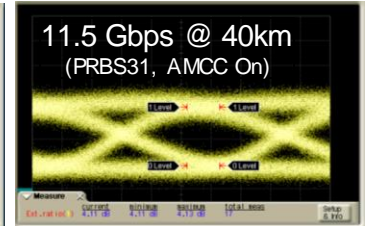
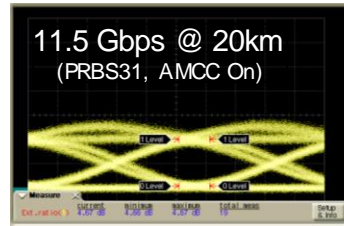
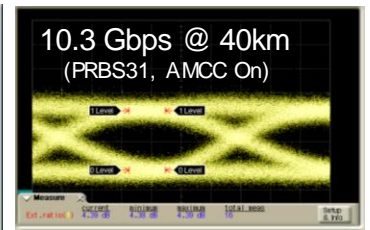
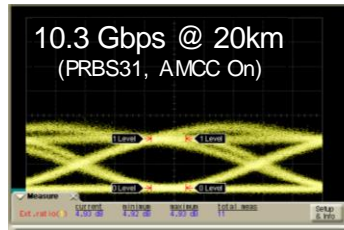


24.16mm



Features

- SFP+ duplex
- λ -tunable range over 35nm in C-band
- λ -locking accuracy within ± 25 pm
- 10 Gbps over 40km
- AMCC based on 500kHz pilot tone



Applications

- 10Gbps Ethernet
- 4G/5G LTE fronthaul

Availability

- Engineering samples are available.
- Commercial samples in 2Q 2020

| Items | Unit | Min | Typ | Max | Remark |
|-----------------------|--------------|-----|---------|-----|------------------------------------|
| Tuning range (C-band) | nm | | 35 | | 100GHz, 40ch DWDM |
| DWDM channel distance | nm | | 0.8/0.4 | | next page for 0.4nm ch. distance |
| Data rate | Gbps | 1 | | 11 | Multi-rate (1Gbps~10Gbps) |
| Tx power | dBm | 0 | | 5 | Power Flatness ≤ 3 dB |
| Rx sensitivity | dBm | | | -21 | $2^{31}-1$, BER 10^{-12} , 20km |
| Wavelength accuracy | pm | -25 | | +25 | |
| SMSR | dB | | 50 | | OSA res. 20pm |
| Power supply voltage | V | 3.2 | | 3.5 | |
| Power consumption | W | | | 3.0 | |
| Operating case temp. | $^{\circ}$ C | -40 | | 85 | Min @ T_A , Max @ T_{case} |



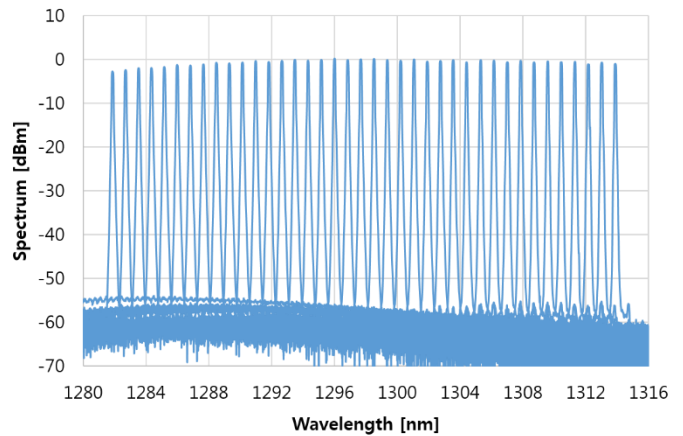
MEL Telecom. Inc. (<http://www.meltelecom.com>)
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 Contact: Ben Kim, kbwhi@mels.co.kr

Low-Cost 25Gbps Tunable DWDM SFP+

extended SFP+



24.16mm



Features

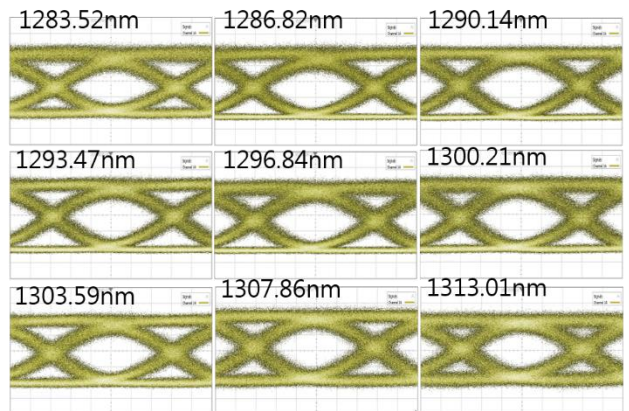
- Extended SFP+ duplex
- λ -tunable range over 30nm in O-band
- λ -locking accuracy within ± 25 pm (EOL)
- transmission distance of 20 km @ 26 Gbps
- AMCC based on 500kHz pilot tone

Applications

- 25Gbps Ethernet
- 5G LTE fronthaul

Availability

- Engineering samples in 3Q 2020
- Commercial samples in 4Q 2020



Preliminary specifications

| Items | Unit | Min | Typ | Max | Remark |
|-----------------------|--------------|-----|---------|-----|--|
| Tuning range (O-band) | nm | 20 | | | λ center = 1291nm |
| DWDM channel distance | nm | | 0.8/0.4 | | Next page for 0.4nm ch. distance |
| Data rate | Gbps | 1 | | 26 | Multi-rate |
| Tx power | dBm | 0 | | 4 | Power Flatness \leq 3dB |
| Rx sensitivity | dBm | | | -16 | $2^{31}-1$, BER 10^{-12} , 20km, O-band |
| Wavelength accuracy | pm | -25 | | +25 | |
| SMSR | dB | | 50 | | OSA res. 20pm |
| Power supply voltage | V | 3.2 | | 3.5 | |
| Power consumption | W | | | 3.5 | |
| Operating case temp. | $^{\circ}$ C | -40 | | 85 | Min @ T_{A} , Max @ T_{case} |



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