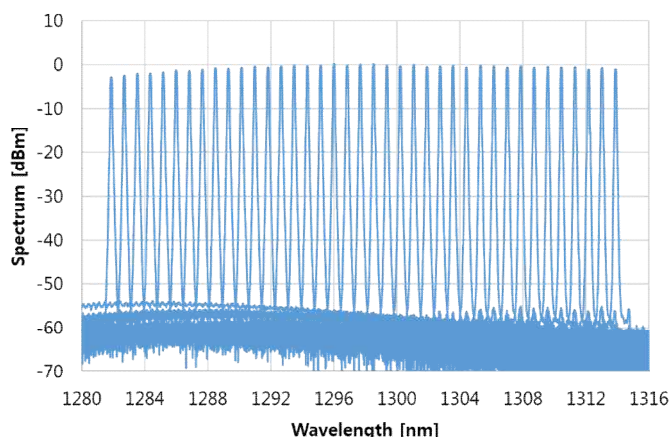


# Low-Cost 25Gbps AMCC Tunable DWDM SFP28

extended SFP+



←→  
24.16mm

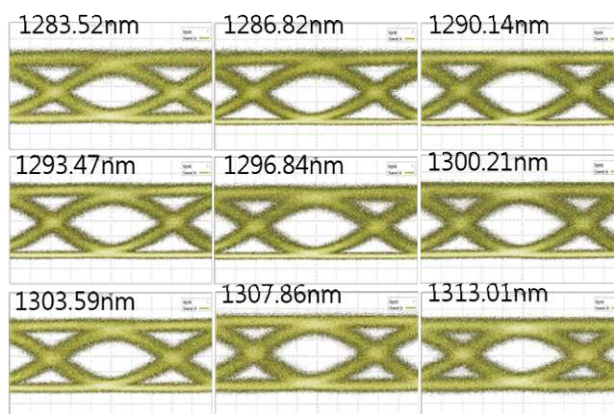


## Features

- Extended SFP+ duplex
- $\lambda$ -tunable range over 18nm in O-band
- $\lambda$ -locking accuracy within  $\pm 25$  pm (EOL)
- 20 km @ 26 Gbps
- AMCC (Auxiliary Maintenance & Control Channel) based on 500kHz pilot tone
  - . Remote automatic  $\lambda$  setup
  - . Remote control
  - . Remote status monitoring
  - . Remote message exchange

## Applications

- 25Gbps Ethernet
- 5G LTE fronthaul



## Preliminary specifications

Items	Unit	Min	Typ	Max	Remark
Tuning range (O-band)	nm	18			$\lambda$ center = 1291nm
DWDM channel distance	nm		0.8		In O-band
Data rate	Gbps	1		26	Multi-rate
Tx power	dBm	-1		1	Power Flatness $\leq 3$ dB
Rx sensitivity	dBm			-18	$2^{31}-1$ , BER $10^{-12}$ , 20km, with AMCC
Wavelength accuracy	pm	-25		+25	
SMSR	dB		45		OSA res. 20pm
Power supply voltage	V	3.2		3.5	
Power consumption	W			2.0	@ 85 °C case (3.0 W @ -40 °C)
Operating case temp.	°C	-40		85	Min @ $T_A$ , Max @ $T_{case}$



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