

ONS-SC+-10G-C

Cisco

IntegraOptics' Tunable DWDM SFP+ module is a high performance tunable pluggable for use in the C-band window, covering 1528nm to 1566nm. This module supports data rates from 9.95Gb/s to 11.3 Gb/s and can support link distances up to 80km. Channel tuning is supported on the ITU-T 50GHz grid across the full C-band with +2.5GHz of stability. Wavelength and frequency tuning modes are supported in accordance with SFF-8690. Integra Tunable DWDM SFP+ transceivers are coded to be 100% OEM compatible and provide for reliable, versatile, cost effective 10G service deployments capable of meeting both current and future networking requirements.

Features

- Operating Data Rate 9.95- 11.35Gb/s
- Supports 80km Link Distance
- Full C-band, 96 channel, 50GHz spacing with support for 100-GHz based equipment
- SMF Duplex LC Connector Interface
- Digital Diagnostic Monitoring
- MSA SFF-8431, SFF-8690 Compliant



Applications

- 10GBase-ER/EW, 10GBase-ZR
- Carrier & Metro Ethernet Networks
- 10G Fibre Channel
- OTN & Other Optical Links

Product Specifications

Part Number	Wavelength (nm)	Distance (km)	Power Budget (dB)	Interface
ONS-SC+-10G-C	Tunable	80km	>23 dB	SMF/LC

ONS-SC+-10G-C

Detailed Specifications

Parameter	Minimum	Typical	Maximum	Unit
Storage Temperature (Ts)	-40	-	85	°C
Operating Case Temperature CTemp (Tc)	-5	-	70	°C
Input Voltage (Vcc)	-0.3	-	4.0	V
Power Supply Current (Is)	-	-	600	mA
Data Rate GBE	9.95		11.3	Gbps
Operating Relative Humidity	-	-	85	%

Transmitter

Parameter	Minimum	Typical	Maximum	Unit
Centre Wavelength Range (λ_c)	-	50	-	GHz
Relative Intensity Noise (RIN)	-	-	-130	dB/Hz
Spectral Width (-20dB) ($\Delta\lambda$)	-	-	1	nm
Average Output Power (Pout, AVG)	-1	-	3	dBm
Extinction Ratio (ER)	3.5	-	-	dB
Side Mode Suppression Ratio (SMSR)	30	-	-	dBm
Channel Tuning Time	-	-	50	ms
Wavelength Stability (BOL)	$\lambda_c - 1.5$	λ_c	$\lambda_c + 1.5$	GHz
Frequency Range	191.1	-	196.15	THz

Receiver

Parameter	Minimum	Typical	Maximum	Unit
Centre Wavelength (λ_C)	1260	-	1600	nm
Receiver Sensitivity (Rsen)	-	-	-24	dBm
Receiver Overload (P _{MAX})	-7	-	-	dBm

Warranty Information

The IntegraOptics' SFP+ Tunable 10G is covered by the standard IntegraOptics warranty. Please contact an IntegraOptics sales representative for additional details.