



80-CH 50G Athermal AWG



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2013. 05(Version 2)

Overview

This document presents the generic specification for the 80-channel 50GHz Athermal AWG MUX/DEMUX Rackmount supplied for use in DWDM system.

Product Features

- Low Insertion Loss
- Established silica-on-silicon
- Low PDL
- Low chromatic dispersion
- Telcordia GR-1221-CORE qualified

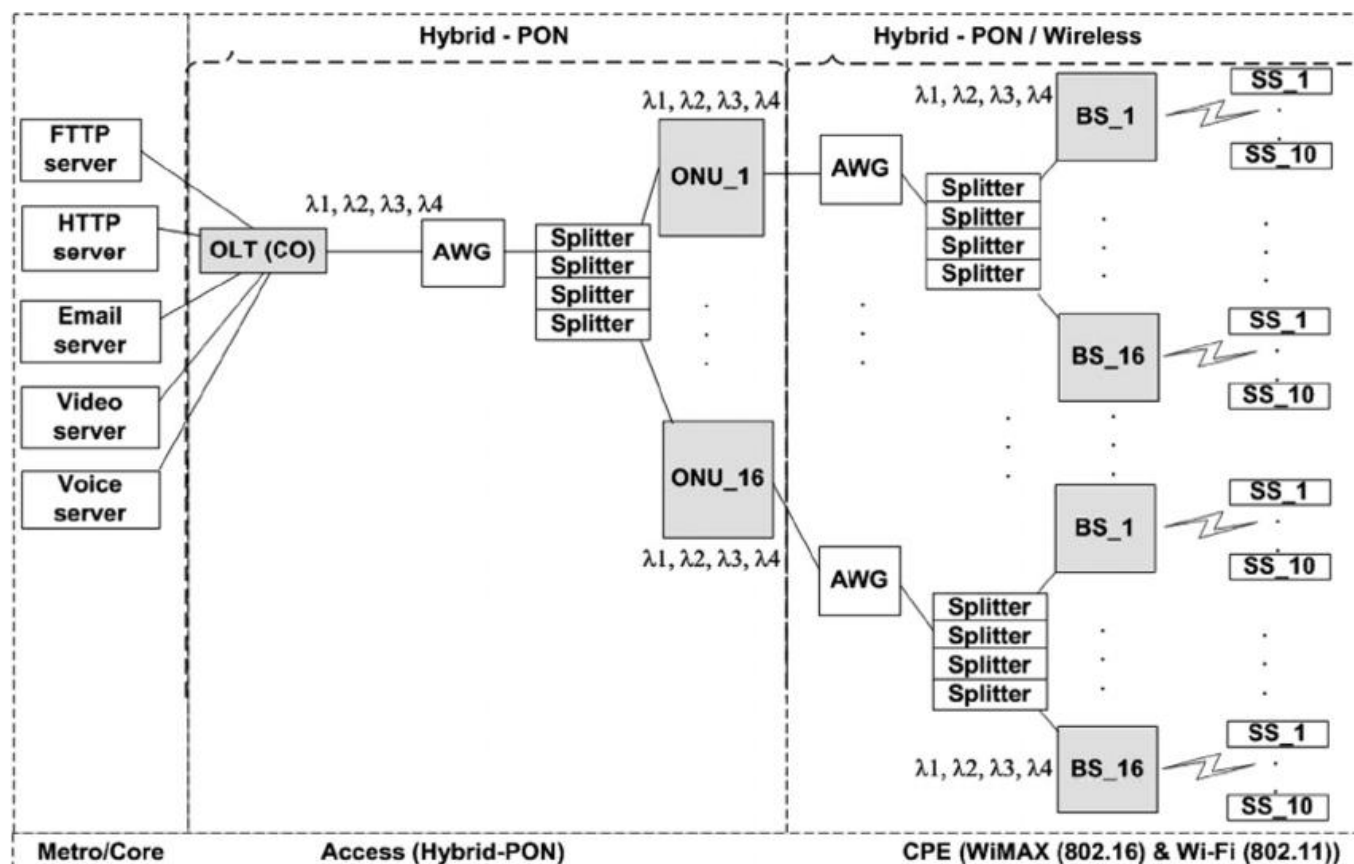
Technical Parameter

Parameter		Specification		
		MIN	Typ	Max
Number of Channels		80		
Number Channel Spacing (GHz)		50		
Cha. Center Wavelength (nm)		C-Band		
Clear Channel Passband(GHz)		±6.5		
Wavelength Stability (nm)		±0.005		
-1 dB Channel Bandwidth (nm)		0.2		
-3 dB Channel Bandwidth (nm)		0.3		
Optical Insertion Loss at ITU grid (dB)			6.0	7.0
Isolation (dB)	Adjacent	25		
	Non-Adjacent	29		
	Total Channel Isolation	22		
Insertion Loss Uniformity (dB)				2.0

Directivity(Mux Only) (dB)	40		
Insertion Loss Ripple (dB)			1.5
Optical Return loss (dB)	40		
PDL/Polarization Dependent Loss in Clear Channel Band (dB)		0.3	0.5
Polarization Mode Dispersion (ps)			0.5
Maximum Optical Power (mW)			23
MUX/DEMUX input/ output Monitoring range(dB/°C)	-35		+23
Operating Temperature(°C)	-5	+25	+65
Operating Humidity(%RH)	5		95
Storage Temperature(°C)	-40		+85
Storage Humidity(%RH)	5		95
Package Size(mm)	L150×W65×H16		

- 1、IL Represents the worst case over a +/-0.01nm window around the ITU wavelength;
- 2、PDL was measured on average polarization over a +/- 0.01nm window around the ITU wavelength.

Application



- DWDM transmission
- Wavelength Routing
- Optical add/drop multiplexing

Order Information

Description
80-CH 50G Athermal AWG
Note: Band: C-Band,L-Band,C+L-Band,Special Spacing: 50G,100G,200G,Special (Optional) Number of Channels: 16, 32, 40, 48, Specify(Optional) Filter Shape: Gaussian, Broad Gaussian, Flat Top(Optional) Package:Module, Rack, Special (Optional) Fiber Length: 0.5m, 1m, 1.5m, 2m, 2.5m, 3m, Specify (Optional) In/Out connector: None, FC/APC, FC/PC, SC/APC, SC/PC, LC/APC, LC/PC, ST/UPC, Specify(Optional) 1 st Channel: H58, C59, H59, C60, Special(Optional)

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