

AWG DWDM Module (AWG)

Features	
Low Insertion loss Accurate Channel Spacing Large channel number High stability and reliability	
Application	
WDM Transmission Metro and Long haul network	

Specifications

Type	Value	
Number of Channel(ch)	40	48
Channel Spacing (GHz)	100	
Center Wavelength (nm)	ITU Grid	
Wavelength Accuracy(nm)	±0.04	±0.04
1dB Pass Band(nm)	≥0.4	≥0.4
3dB Pass Band(nm)	≥0.6	≥0.6
20dB Pass Band(nm)	≤1.2	≤1.2
Insertion Loss (dB)	≤5.5	≤6.0
Ripple (dB)	≤0.5	≤0.5
Loss Uniformity (dB)	≤1.0	≤1.0
Adjacent Cross-Talk (dB)	≥25	≥25
Non-Adjacent Cross-Talk (dB)	≥30	≥30
Total Cross-Talk (dB)	≥22	≥22
PMD (dB)	≤0.5	≤0.5
Chromatic Dispersion (ps/nm)	±15	±20
PDL (dB)	≤0.5	≤0.5
Return Loss (dB)	≥40	≥40
Supply Voltage (v)	5.0±0.25 DC	
Power Consumption (stable stage) (W)	≤6	
Power Consumption (startup stage) (W)	≤12.5	
Pigtail Type	900um loose tube	
Operation Temperature (°C)	-5~+65	
Storage Temperature(°C)	-40~+85	
Package (mm)	150x65x16	

Ordering Information

AWG	Channel Space	Passband Profile	Channel Number	Start ITU Channel	Pigtail Type	Length	Connector
	1=100Ghz	F=Flat-Top	32=32 channel 40=40 channel 48=48 channel	C21 C22	900=900um loose tube	1= 1m	NE=None FC=FC/UPC SC=SC/UPC FA=FC/APC SA=SC/APC ST=ST/UPC LC=LC/UPC xx=Others