

Athermal AWG Mux/Demux

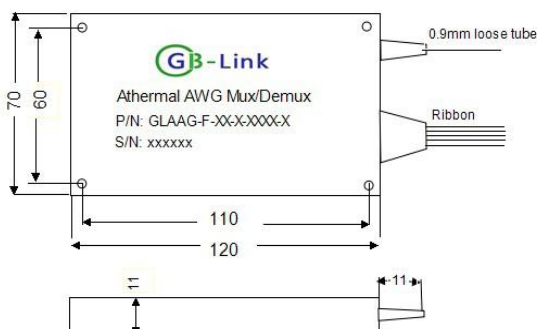
Features

- ◆ Athermal design
- ◆ Epoxy free optical path
- ◆ Large channel number
- ◆ Compact size
- ◆ High stability and reliability
- ◆ Low insertion loss, high isolation
- ◆ Compliance with RoHS

Application

- ◆ Metro Access
- ◆ DWDM System (Long haul network)
- ◆ Wavelength selective routing

Dimension



Specification

Parameter	Unit	Value	
Channel Spacing	GHz	100	
Channel Number		40	
Wavelength Accuracy	nm	±0.05	
1dB Pass Band	nm	≥0.38	
3dB Pass Band	nm	≥0.58	
Insertion Loss ¹	dB	≤5.5	
Ripple	dB	≤0.5	
Uniformity	dB	≤1.5	
Adjacent Crosstalk	dB	≥23	
Non-adjacent Crosstalk	dB	≥30	
Total Crosstalk	dB	≥21	
Polarization Dependent Loss(PDL)	dB	≤0.5	
PMD ²	ps	≤0.5	
Chromatic Dispersion ²	ps/nm	±20	
Return Loss	dB	≥40	
Fiber	Input Port	mm	Φ0.9
	Output Ribbon	—	—
	Fan Out	mm	Φ0.9
Operation Temperature	°C	-5~+65	
Storage Temperature	°C	-40~+85	
Package	mm	120×70×11	

Connector loss not included

Ordering Information

GLAAG	Channel spacing	Passband shape	Channel Number	Initial Wavelength	Cable length	Connector	
						input	output
GB-Link AAWG	1=100G	F=Flat Top	32=32 channels	C59	03=0.3m	0=No connector	
		G=Gaussian	40=40 channels	C60	05=0.5m	1=SC/APC	
	2=200G	B=Broad Gaussian	48=48 channels	10=1m	2=SC/UPC	
					15=1.5m	3=LC/APC	
	5=50G				20=2m	4=LC/UPC	
					C=client specified	5=FC/APC	
					6=FC/UPC ST=ST connector		

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