50GHz 96ch Athermal AWG DWDM Module

Features

- Athermal design operates over operating temperature range
- Large channel number
- High stability and reliability
- Low insertion loss, high isolation increase system margin
- Telcordia GR-1221-CORE
- RoHS

Applications

- WDM transmission
- Metro and long haul network



Specifications

Deremeter	Specification			Linita	Noto			
Parameter	min	Тур.	Max	Onits	INOLE			
Channels	96		Ch					
Channel Spacing		50		GHz				
Reference Pass-band	6.25 (-0.05nm)		-6.25 (-0.05nm)	GHz	Centered at each ITU channel frequency			
Center Wavelength Accuracy	-30		30	pm	Offset from ITU Grid			
1dB Bandwidth	26			GHz	1dB from min insertion loss, full width, average polarization.			
3dB Bandwidth	32				3dB from min insertion loss, full width, average polarization.			
20dB Bandwidth			72	GHz	20dB from min insertion loss, full width, average polarization.			
Insertion loss		6	7.5	dB	Maximum of the insertion loss across the ITU pass-band over all channels			
Insertion loss Uniformity			1.5	dB	Maximum insertion loss variance across r all channels			
Ripple			0.8	dB	Maximum of the loss variance across the ITU pass-band over all channels			
Adjacent Channel Isolation	22			dB	Ratio of peak transmission to the max mum transmission over both adjacent pass-bands			
Total Crosstalk	20			dB	Ratio of power in channel to power in all other pass-bands			

Polarization Dependent Loss		0.8	dB	maximum ratio of transmission over all polarization states, over the ITU pass-band
Return Loss	40			
optical Power		500	mW	at common port
polarization Mode dispersion(PMD)		0.5	ps	In reference pass-band over all channels
Chromatic Dispersion(CD)	-25	25	ps	In reference pass-band over all channels

Notes :

1.PMD and CD are guaranteed by design

Mechanical Dimensions

19"1U



Mount



Ordering information

AAWGM	-	xx	×	×	×	xx	xxx	-	×	×
		Package	Module Type	Channel Space	Pass band profile	Channel Number	Start Channel		Com	Pass
A=Athermal		1U=1U	M=Mux	1=100GHz	F=Flat-top	32=32	C17=C17		0=None	0=None
A=Array		2U=2U	D=Demux	2=50GHz	G=Gauss	40=40	C21=C21		1=FC/UPC	1=FC/UPC
W=Wavelength			1=Mux and Demux			48=48			2=FC/APC	2=FC/APC
G=Grating									3=SC/UPC	3=SC/UPC
M=Module									4=SC/APC	4=SC/APC
									5=LC/UPC	5=LC/UPC
									6=LC/APC	6=LC/APC