1U Rack Mount 96CH AWG

The 1U rack mount 96-channel athermal AWG product from Sintai can be installed in a standard 19-inch cabinet. It can support up to 1*96 channel athermal AWG module. Two devices can realize dual-fiber transmission of 96 independent channels' service, which can maximize the fiber core utilization rate. When configuring with our OTU/OLP/EDFA/DCF equipment, it can greatly extend transmission distance and increase carrying capacity, and the equipment also provides Moniter optical monitoring port for real-time channel quality monitoring

Product Feature

Low insertion loss

High channel isolation

High stability and reliability

Low polarization dependent loss

Support 96 DWDM channels

Product Specification

Parameter	Unit	characteristic	
		Gauss	Flat top
ITU	GHz	±6.25	
Channel Spacing	nm	0.4nm(50GHz)	
Channel Number		80、96 or customer specified	
Wavelength accuracy	nm	≤0.05	
Channel Insertion Loss	dB	≤7.0	≤8.0
-1dB Bandwidth	nm	≤0.24	≤0.34
-3dB Bandwidth	nm	≤0.3	≤0.51
Adjacent Channel Isolation	dB	≥18	
Non-Adjacent Channel Isolation	dB	≥25	
Total isolation	dB	≥15	≥16
Channel Ripple	dB	≤1.5	
Return Loss	dB	≥45	
Directivity	dB	≥50	
PDL	dB	≤0.5	
PMD	ps	≤0.5	
Power Handling	mW	≤300	
Operating Temperature	°C	-10~+70	
Storage Temperature	°C	-40 ~+85	
Fiber Type	-	Corning SMF-28e Ultra	
Package Size	mm	Standard 1U 19", 44(H)x442(W)x220(D)	