



## 1、 Description

80 channel 50G Athermal AWG (AAWG) have equivalent performance to standard Thermal AWG but require no electrical power for stabilization. they can be used as direct replacements for Thin Film Filters (Filter type DWDM module) for cases where no power is available, also suitable for outdoor applications over -30 to +70°C in access networks. AWG provide excellent optical performance, high reliability, ease of fiber handling and power saving solution in a compact package. Different input and output fibers, such as SM fibers, MM fibers and PM fiber can be selected to meet different applications. We can just offer 19" 1U rackmount package for 50G AWG products.

## 2、 Features

- Low Insertion Loss ,Low PDL
- Wide Operating Wavelength Range
- Excellent Environmental Reliability
- High Channel Isolation
- High stability and reliability

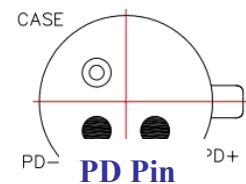
### 3、Specification

Parameter	Symbol	Min.	Type	Max.	Unit	Remarks
Wavelength Range	$\lambda$	1535	155	1565	nm	
Dark Current				5	nA	@25°C
Responsivity	1%	7		12	mA/W	
	2%	14		24		
	5%	40		60		
Polarization Dependent loss	PDL			0.15	dB	
Return loss	RL	45			dB	
Insert loss	IL			0.6	dB	
Operating temperature		-0		70	°C	
Storage temperature		-40		85	°C	

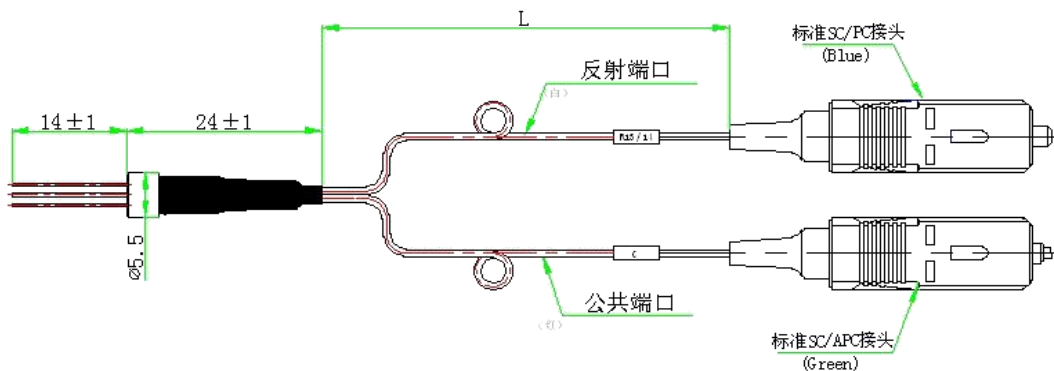
### 4、Application

- DWDM transmission
- optical line production
- optical power monitoring and DWDM
- Laser Packaging

B Type



### 5、Product Dimension:



**XDK Communication Equipment (Huizhou) Co., Ltd.**