Key Features

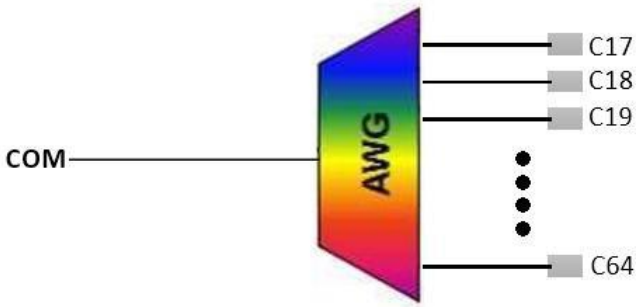
- 100GHz ITU channel spacing
- Optional Channels
- Athermal AWG
- Low insertion loss
- High channel isolation

Applications

- DWDM Networks
- Channel add/drop
- Wavelength routing
- Fiber optical amplifier
- CATV optical system

This Gaussian Athermal AWG series products take silica-on-silicon planar technology and it is built with high performance and reliability, which can be used in general DWDM systems. Based on the athermal design and packing, it is totally passive product which does not require any electrical power or temperature control. For 100G AAWG Mux/Demux, it supports up to 48-CH based on a single chipset. Customized wavelengths, package and fiber options are also available.

Structure



Technical specifications	
Items	**SPEC**
Channel spacing	ITU 100GHz C-ban C17-64
Channel numbers	Optional Max 48CH
Reference Passband (GHz)	MAX: ±12.5
1dB Bandwidth (nm)	>0.24
Insertion Loss (including connector loss)	<4.0 dB
Uniformity (dB)	<1.5
Ripple (dB)	<0.5
Adjacent Channel Isolation (dB)	>25
Non-Adjacent Channel Isolation (dB)	>29
Total Channel Isolator (dB)	>22
PDL (dB)	<0.5
Return Loss (dB)	>45

CD (ps/nm)	-20～+20
PMD (ps)	<0.5
Operating Temperature (℃)	-5～65
Storage Temperature (℃)	-40～85
Fiber Type	SMF-28e