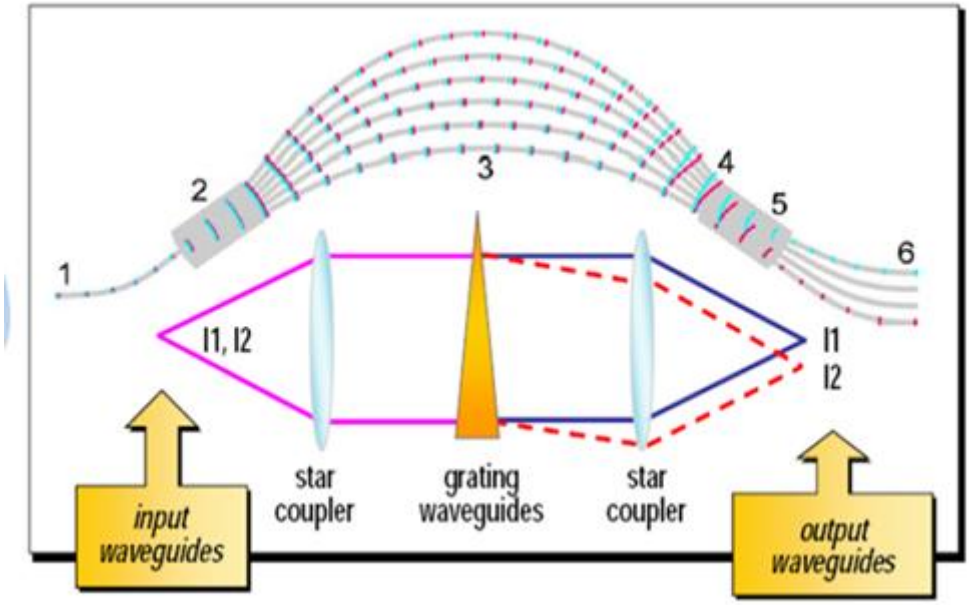
AAWG modules for DWDM Application

Athermal Arrayed Waveguide Grating (AAWG) has equivalent performance to standard AWGs but requires no electrical power for stabilization. AAWGs can be used as direct replacements for Thin Film Filters for cases where no power is available at the shelf in access applications, extending the cost performance benefits of AAWG.

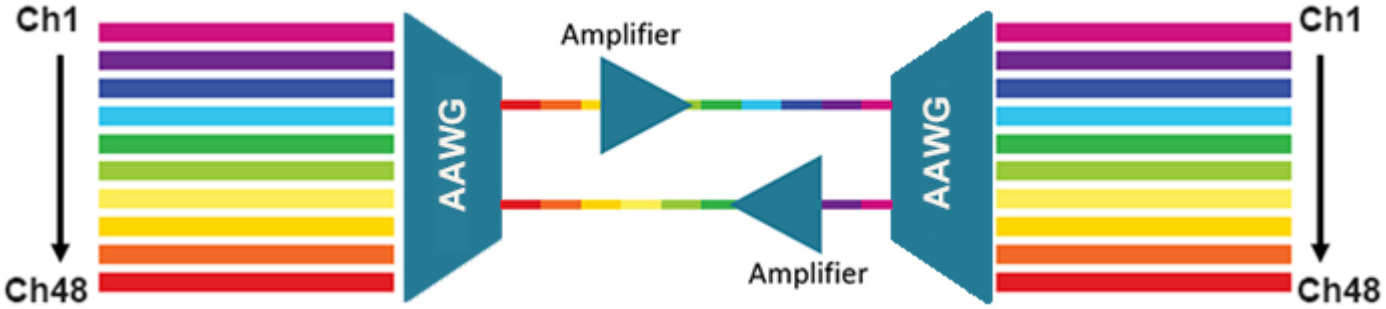
AAWG is an integrated PLC component that multiplexes or demultiplexes 24, 32, 40, 44, or 48 channels



FEATURES:

- ✓ No electrical power required
- ✓ 100GHz/50GHz Channel Spacing available,
- ✓ Low cost for MUX and DEMUX configurations
- ✓ Exceptional reliability and stability
- ✓ Telcordia GR-1221/1209-CORE Compliant

DWDM supports up to 48 wavelengths, spaced at 0.8nm, on a single channel. Its dense architecture fits 48 channels on a single fiber and, coupled with OTN, supports long haul applications with speed protocols of up to 100G/200G per channel. One of the biggest advantages of DWDM is the use of optical amplifiers, which can cost-effectively amplify the entire DWDM spectrum and overcome long spans of attenuations and distances.


Ch1
Ch48
AAWG
Amplifier
Amplifier
AAWG
Ch1
Ch48