

DF1008

AG980H (5.66 dB/m)

AstroGain fiber is optimized for multichannel amplifiers used in optical satellite communications and control. The fiber has been designed to take full advantage of the photo-annealing effect that results from pumping in the 980 nm region. The proprietary trivalent structure of the core matrix allows optimum recovery following radiation damage to the fiber, whilst also providing a market-leading Erbium Doped Fiber Amplifier (EDFA) efficiency.

Long-Term Use

- The multichannel assembly used only one pump wavelength of 980 nm. As can be seen in Figure 3, the results for AstroGain™ fiber AG980H suggest a full output recovery for continuous pump use over 20 years, even in this worst-case scenario. By using this specialist fiber composition, it is, therefore, unnecessary to pump additionally at 532 nm.

