

## UNDERSEA COMPONENTS **7-SEA™ SERIES** 980 nm COUPLERS

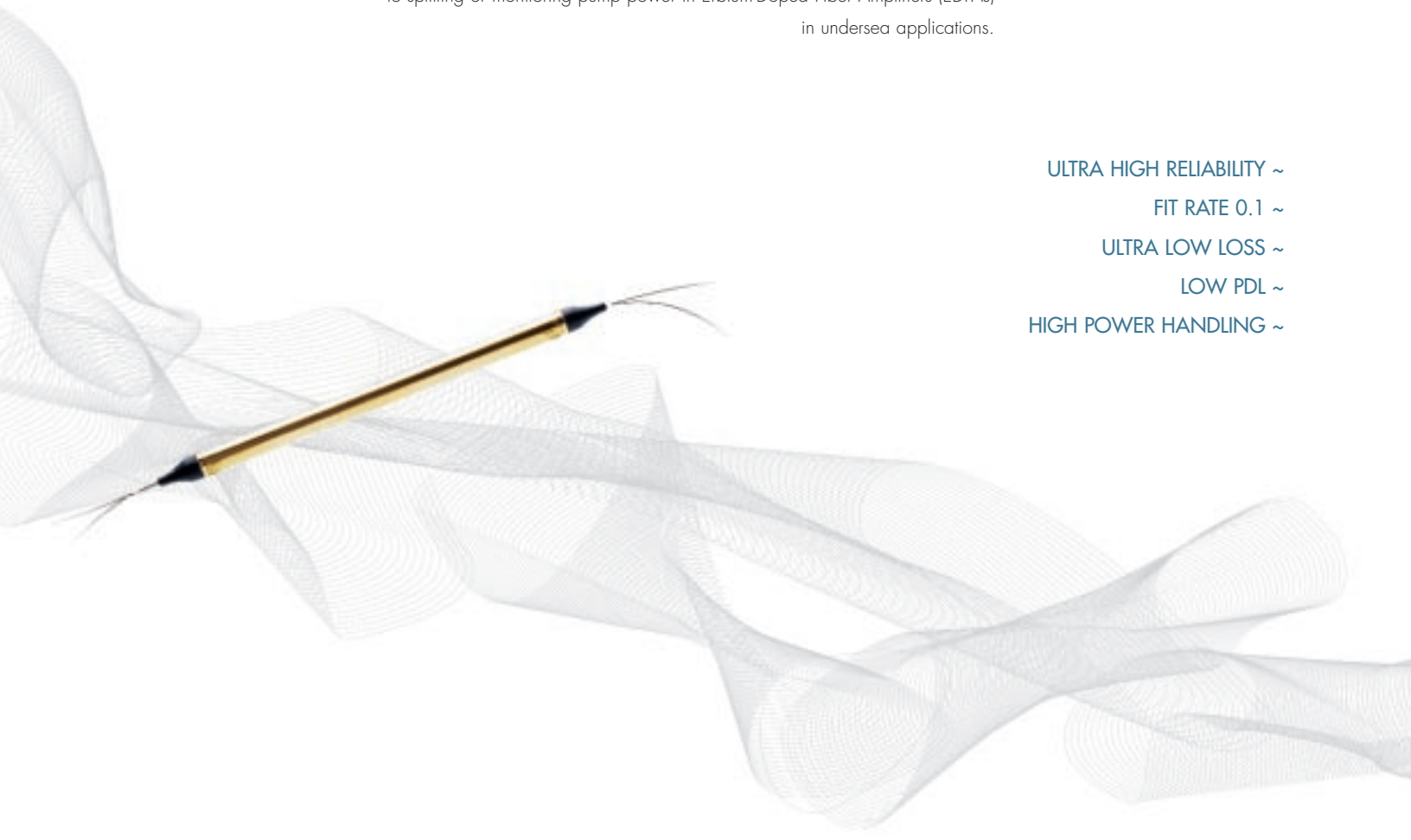
ITF's 7-Sea™ Series features Ultra High Reliability Wideband Couplers and WDMs for undersea applications with exceptional optical characteristics. The 7-Sea™ Series combines

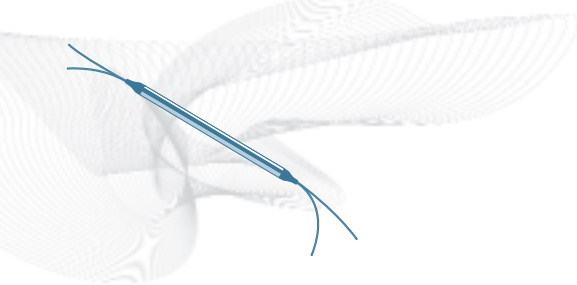
ITF's proprietary All-Fiber® technology with advanced manufacturing process to offer a truly unique, high performance and undersea qualified family of products.

ITF's 7-Sea™ 980 nm Pump Band couplers provide an efficient way of tapping or splitting the pump signal with minimal excess loss. ITF's All-Fiber® technology makes for consistent high-performance tap couplers that are designed to meet the most stringent requirements of undersea applications.

ITF's 7-Sea™ 980 nm Pump Band tap couplers provide a highly reliable solution to splitting or monitoring pump power in Erbium-Doped Fiber Amplifiers (EDFAs) in undersea applications.

ULTRA HIGH RELIABILITY ~  
FIT RATE 0.1 ~  
ULTRA LOW LOSS ~  
LOW PDL ~  
HIGH POWER HANDLING ~



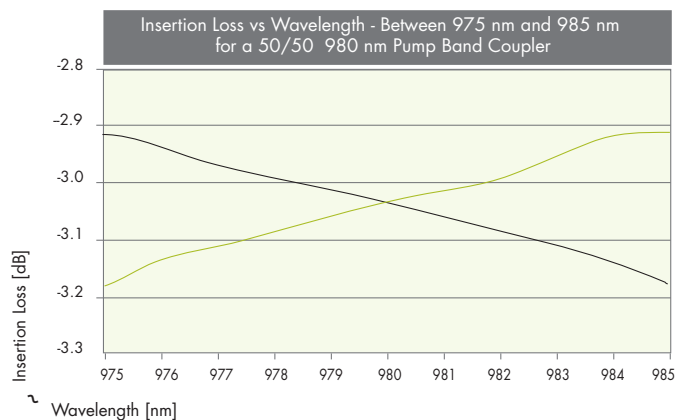


## TECHNICAL DATA

### 7-SEA™ 980 nm COUPLERS OPTICAL SPECIFICATIONS

Operating Wavelength	980 ± 10 nm	
Coupling Ratio <sup>1</sup>	50/50	1/99
Insertion Loss <sup>2</sup>	≤ 3.3 dB	19.0-21.0/0.2 dB
Excess Loss	≤ 0.1 dB	
Polarization Dependent Loss	≤ 0.1 dB	
Polarization Mode Dispersion	0.05 ps	
Directivity	60 dB min.	
Thermal Stability	0.002 dB/°C	
Power Handling	2 W	
Operating Temperature	-20 to +70 °C	
Storage Temperature	-40 to +85 °C	
Fiber Type	250 µm Corning PureMode HI 1060 or Lucent 980 Coupler Fiber	

[1] Other coupling ratios are available upon request. [2] Without connectors.



To find out how ITF Optical Technologies can help meet your need of increased optical amplification power and efficiency in high capacity undersea systems, contact us now for additional information on our 7-Sea™ Series Wideband Couplers and WDMs.

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All-Fiber®