

Single Mode 980nm Pump Band Fused Coupler

FiberCom's 980 nm Pump Band Fused Couplers ensure consistent quality, reliability and high performance, which provide a solution to splitting or monitoring pump power in Erbium-Doped Fiber Amplifiers (EDFAs).

Performance Specification

Wavelength	980nm± 10nm
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Temp. Coefficient(dB/°C)	≤0.002
Directivity	≥55dB 1x2 ≥60dB 2x2
Reflectance	≥55dB
Typical Excess Loss	≤0.15dB
Polarization Dependent Loss	≤0.15dB
Power Handling(mW)	≤2000
Fiber Type	250μm Corning HI 1060 , Lucent 980 Coupler Fiber
Package Dimension(mm)	250μm Coated Fiber : 3.0(OD)X54(L) 900μm Loose Tube : 3.0(OD)X60(L) Ruggedized 100(L) X 12(W) X8(H)

* Insertion loss and return loss will change depending on connector type

Coupling Ratio / Insertion Loss

Coupling Ratio	Premium	Standard
50/50	3.3/3.3	3.6/3.6
5/95	14.0/0.4	18.4/0.5
2/98	18.0/0.2	20.0/0.3
1/99	21.0/0.2	22.0/0.3