

780nm 1X2 Polarization Maintaining Fiber Coupler



● Product Description

Idealphotonics' s 780nm fiber coupler can couple the optical signal transmitted in the optical fiber in the coupling area of the special structure, redistribute the optical power, and can be monitored in real time as needed. Fused taper splitters are widely used in fiber lasers, communication systems and OCT systems.

● Product features

780 nm Polarization Maintaining Fiber Coupler、 Split ratios 50:50, 75:25, 90:10, or 99:1、 Bidirectional coupling (either end can be used as input)、 2.0 mm narrow key FC/PC or FC/APC connectors、 Individual test reports included with each coupler

● Part Number

MP-FBC-780-A-1-25/75-PA

● Application area

Polarization Maintaining fiber amplifier 、 Fiber optic gyroscopes、 Fiber sensors

● Core parameters

Center Wavelength	Splitting Ratio	Connector Type
780nm	75:25	FC/APC

● General Parameters

Parameters

parameters	Indication
Splitting ratio	75: 25
Splitting ratio tolerance	±2.0%
Central wavelength	780nm
Bandwidth	±15nm
Extinction ratio	≥18dB/≥18dB
Insertion loss	≤2dB/≤7dB
Optical return loss	≥60dB
Maximum operating power	500mw
Fiber type	PANDA Polarization Maintaining Fiber (PM85-U25D)
Port settings	1X2
Fiber length	1m
Connector type	2.0mm Narrow Key FC /APC
Dimensions	Diameter 3.2mmX Length 70mm
Protective sleeve	900um loose tube
Pigtail tensile test	10N
Operating temperature range	-40 to 85°C
Storage temperature range	-40 to 85°C