

480/1080nm 1x2 PM Fused WDM

480/1080nm 1x2 PM Fused WDM (Wavelength Division Multiplexer) is a fiber component built with FBT technology, it can be used to separate or combine 480nm and 1080nm wavelength signal with PM Panda fiber, it's widely used in Fiber Laser Systems and Optical Testing Systems, the high power type is available upon request.

Application:

Fiber Laser
Testing System
Optical Diffraction System
Lab And Research

Features:

Epoxy Free
High Isolation
Low Insertion Loss
Optical Path Reversibility



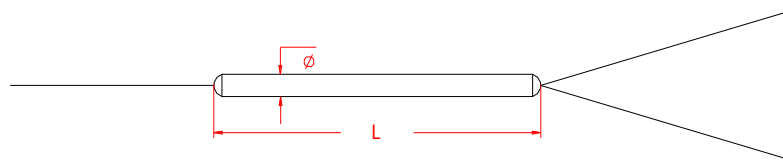
Specification:

Parameter	Symbol	Value	Unit
Wavelength	λ	480/1080	nm
Bandwidth	BW	480±10/1080±20	nm
Max. Insertion Loss	IL	2 @480nm, 1.0 @1080nm	dB
Min. Isolation (for Wavelength separate)	Iso	13 @480nm, 20 @1080nm	dB
Min. Extinction Ratio	ER	18	dB
Min. Directivity		50	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	500	mW
Max. Tensile Load		5	N
Fiber Type		PM 980 Panda Fiber	-
Operating Temperature	T	-5~75	°C
Storage Temperature	T	-40~85	°C
Package Dimension		Φ3.0×L54	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23°C.

For devices with connectors, IL will be 0.3dB higher, ER will be 2dB lower, slow axis is default aligned to the connector key.

Drawing:



Ordering Information (Part Number):

PFUW- WWW/WWW -FF-J-LL-CC				
WWW/WWW	FF	J	LL	CC
Wavelength	Fiber Type	Fiber Jacket	Fiber Length	Connector
480/1030 - 480/1030nm	P9 - PM 980 Fiber	B - 250um Bare Fiber	05 - 0.5m	NE - None
480/1040 - 480/1040nm	SS - Specify	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
480/1050 - 480/1050nm			15 - 1.5m	FU - FC/UPC
480/1064 - 480/1064nm			20 - 2.0m	SA - SC/APC
480/1080 - 480/1080nm			SS - Specify	SU - SU/APC
				LA - LC/APC
				LU - LC/UPC
				SS - Specify