

FBW-296S11 3-01

1976/1660nm Fused WDM Coupler, Package dimension:

L50×W5×H5,0.9mm loose tube, length 1m, FC/UPC Connector



Performance Specifications

Parameters		Specifications	Unit
Operating Wavelength	1976	1976±5	nm
	1660	1660±5	nm
Insertion Loss	1976	≤1.0	dB
	1660	≤1.0	dB
Isolation	1976	≥13	dB
	1660	≥17	dB
Thermal Stability		≤0.005 (over -5°C to +70°C)	dB/°C
Directivity		≥50	dB
Return Loss		≥50	dB
Polarization Dependent Loss		≤0.15	dB

Maximum Power Handling		20	W
Fiber Type		SMF-28	-
Pigtail Type		0.9mm loose tube	-
Cable Color	Input	White	-
	1976	Blue	-
	1660	Red	-
Fiber Length		1 ± 0.1	mm
Connector Type		FC/UPC	-
Operating Temperature		-5 ~ 70	°C
Storage Temperature		-40 ~ 85	°C
Package size		L50×W5×H5	mm

Notes: 1. Insertion Loss tested with connector.

Dimension



Test Report

The test report should be provided when the products are delivered. Following characteristic test data should be included:

- ◆ Insertion Loss@ room temperature
- ◆ PDL@ room temperature
- ◆ Isolation@ room temperature

Packaging

Following items should be indicated on the outer packaging surface:

- ◆ Product Name
- ◆ Product Number
- ◆ Serial Number

Reliability Specifications

Telcordia GR-1209 core
Telcordia GR-1221 core
RoHS10 compliance

Revision History

Revision	Notes	Authors	Checked	Approval	Date
Rev A0	New release	Virgil			2023-07-04