

AT-WG101 Diplexer Installation Guide

Overview

The AT-WG101 Diplexer is a stand-alone passive optical component that allows you to double fiber capacity by combining dual fiber into single fiber.

Verifying Package Contents

Ensure that the correct component and installation instructions are included in your package. If any item is missing or damaged, contact your Allied Telesyn sales representative for assistance.



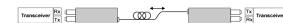
Diplexer Products

Model	Description	
AT-WG101-13	Diplexer with 1310nm/1550nm Tx/Rx	
AT-WG101-15	Diplexer with 1550nm/1310nm Tx/Rx	

Specifications

Item	Specification		Unit	
Physical Characteristics				
Dimensions (H x W x L)	10 x 24 x 64		mm	
Connectors				
Equipment	Single mode SC connector			
Environment				
Operating Temperature	-25 to +75		°C	
Relative Humidity	5% to 95% non-condensing		g	
Performance	Typical	Maximum		
Insertion loss	0.8	1.4	dB	
Crosstalk From Tx to Rx	-60	-50	dB	
Crosstalk From Common to Tx	-40	-35	dB	

Configuration





AT-WG101

Diplexer

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dual fiber into single fiber.

Diplexer Products

AT-WG101-13

AT-WG101-15

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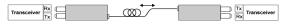
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PN 613-50433-00 Rev A

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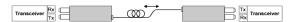
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PN 613-50433-00 Rev A



PN 613-50433-00 Rev A

Unit

mm

°C

dB

dB

dB



Installing an AT-WG101 Diplexer

To install the AT-WG101 Diplexer, perform the following procedure:

- 1. Remove the diplexer from the shipping package and store the packaging material in a safe place.
- 2. Connect single mode fiber to single female SC connector.
- 3. Connect duplex male connector to the mating SC connector (transceiver).

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