

**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.



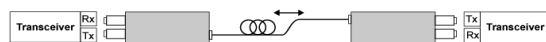
**Diplexer Products**

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

**Specifications**

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

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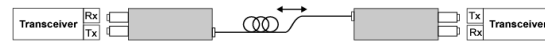
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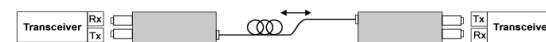
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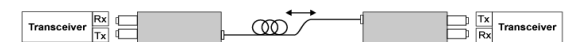
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### Installing an AT-WG101 Diplexer

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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