



## FEATURES

- Performance Tested to Telcordia GR-1209-CORE and GR-1221-CORE
- Available in a Variety of Bulkhead Configurations
- Available in a Variety of Fiber Types
- LGX Cassette Footprint (1RU, 2 RU, 3RU)

FIS 1x2 PLC Splitter Cassettes have PLC splitters installed to guarantee the highest performance and reliability under the most adverse of environments. Planar Lightwave Circuit Splitters offer excellent uniformity, low PDL, broad wavelength operation and very low insertion loss. The LGX cassette footprint offers a compact package that is easily installed within industry standardized LGX style interconnects. Cassettes are available in a variety of split ratios, number of splits, fiber types and bulkhead configurations.

## PLC SPLITTER SPECIFICATIONS

Type	1 x 2	1 x 4	1 x 8	1 x 16	1 x 32
<b>Operating Wavelength</b>	1260nm - 1650nm				
<b>Insertion Loss (dB) MAX (P/S)</b>	3.8/4	7.0/7.3	10.2/10.6	13.4/13.9	16.6/16.9
<b>Uniformity (dB) MAX (P/S)</b>	0.6/0.7	0.6/0.7	0.8/1.0	0.9/1.2	1.2/1.4
<b>Return Loss (dB) MIN (P/S)</b>	50				
<b>Polarization Dependence Loss (dB) MAX (P/S)</b>	0.3/0.1	0.3/0.1	0.3/0.1	0.3/0.15	0.3/0.2
<b>Directivity (dB) MIN (P/S)</b>	55				
<b>Pigtail Length (m)</b>	1.2 (± 0.1) or Customer Specified				
<b>Fiber Type</b>	SMF-28e or Customer Specified				
<b>Wavelength Dependent Loss (dB)</b>	1.0				
<b>Temperature Stability (-40~85°C) (dB)</b>	0.5	0.5	0.5	0.8	1.0
<b>Operation Temperature</b>	-40~85°C				
<b>Storage Temperature</b>	-40~85°C				

## 1RU LGX CASSETTE DIMENSIONS

<b>Front Plate</b>	5.1"W x 1.13"H
<b>Rear Chassis</b>	4.0"W x 5.87"D x 1.13"H
<b>'On Center' Pin Width</b>	4.64"Width (118mm Pin to Pin)
<b>Materials</b>	Powder Coated Aluminum, Black or Off White

## 2RU LGX CASSETTE DIMENSIONS

<b>Front Plate</b>	5.1"W x 2.125"H
<b>Rear Chassis</b>	4.0"W x 5.87"D x 2.125"H
<b>'On Center' Pin Width</b>	4.64"Width (118mm Pin to Pin)
<b>Materials</b>	Powder Coated Aluminum, Black or Off White

## 3RU LGX CASSETTE DIMENSIONS

<b>Front Plate</b>	5.1"W x 3.5"H
<b>Rear Chassis</b>	4.0"W x 5.87"D x 3.5"H
<b>'On Center' Pin Width</b>	4.64"Width (118mm Pin to Pin)
<b>Materials</b>	Powder Coated Aluminum, Black or Off White