

GP750 PROGRAMMABLE INSTRUMENT

SINGLEMODE 2X2 FUSED FIBER COUPLER PLUG-IN MODULE

DiCon's Singlemode 2x2 Fused Fiber Coupler Plug-In Module can house one or more fiber couplers. Each Plug-In Module is designed for easy integration into DiCon's GP750 modular system.



FEATURES

- Ideal for Singlemode Fiber Applications
- Convenient use with the GP750 system
- Dual window broadband coupler



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OPTICAL SPECIFICATIONS¹

PARAMETER	RATING	
Coupler Type	Fused Fiber	
Split Configuration	2x2	
Insertion Loss, 1% Tap Ratio ²	IN to OUT 1	0.4 dB max.
	IN to OUT 2	24 dB max.
Insertion Loss, 2% Tap Ratio ²	IN to OUT 1	0.4 dB max.
	IN to OUT 2	21 dB max.
Insertion Loss, 5% Tap Ratio ²	IN to OUT 1	0.5 dB max.
	IN to OUT 2	18 dB max.
Insertion Loss, 10% Tap Ratio ²	IN to OUT 1	0.8 dB max.
	IN to OUT 2	12.7 dB max.
Insertion Loss, 50% Tap Ratio ²	IN to OUT 1	3.9 dB max.
	IN to OUT 2	3.9 dB max.
Back Reflection	-50 dB max.	
Fiber Type	9/125 μm single mode	

- Specifications at room temperature, without connectors
- Tap ratio is a nominal value of output power divided by input power.
Actual insertion loss is specified by the insertion loss specification.

ORDERING INFORMATION

GPC - - / 2x2 - - - 9 -

Product Code	
GPC	Coupler Module
Slot Width	
1S	1-Slot Module
2S	2-Slot Module
Number of Couplers	
X	Specify # of Couplers Max of 4 for 1S Module Max of 8 for 2S Module
Coupler Type	
2x2	2x2 split
Tap Ratio	
1	1%
2	2%
5	5%
10	10%
50	50%
Wavelength Range	
13/15	1270-1350 nm & 1510-1590 nm
Fiber and Jacket Type	
9	Corning SMF-28 9μm Fiber
Connector Type	
FC/SPC	FC/SPC
FC/APC	FC/APC
N	NONE

Also Available: SC, SC/UPC, SC/APC, ST, ST/UPC, LC

MECHANICAL DIMENSIONS (Units: mm)

