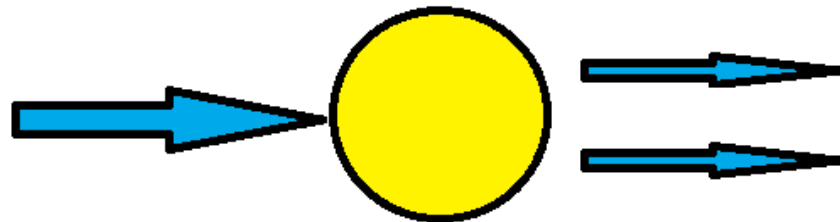


# GP750 PROGRAMMABLE INSTRUMENT

## MULTIMODE 1X2 THIN FILM COUPLER PLUG-IN MODULE

DiCon's Multimode 1x2 Thin Film Coupler Plug-In Module utilizes a thin film filter to split light into two output channels. Thin film optical filters have the advantage in multimode fiber applications because they have a stable split ratio not subject to changes in mode distribution, unlike fused fiber couplers.

Each Plug-In Module is designed for easy integration into DiCon's GP750 modular system.



### FEATURES

- Stable Split Ratio
- Ideal for Multimode Fiber Applications
- Convenient use with the GP750 system

**DiCon**  
FIBEROPTICS

# GP750 PROGRAMMABLE INSTRUMENT

## MULTIMODE 1X2 THIN FILM COUPLER PLUG-IN MODULE

### OPTICAL SPECIFICATIONS<sup>1</sup>

PARAMETER	RATING	
Coupler Type	Thin Film	
Split Configuration	1x2	
Insertion Loss, 5% Tap Ratio <sup>2</sup>	IN to OUT 1	0.8 dB max.
	IN to OUT 2	18 dB max.
Insertion Loss, 10% Tap Ratio <sup>2</sup>	IN to OUT 1	1.0 dB max.
	IN to OUT 2	12 dB max.
Insertion Loss, 25% Tap Ratio <sup>2</sup>	IN to OUT 1	1.8 dB max.
	IN to OUT 2	7.2 dB max.
Insertion Loss, 50% Tap Ratio <sup>2,3</sup>	IN to OUT 1	3.6 dB max.
	IN to OUT 2	3.6 dB max.
Back Reflection	-25 dB max.	
Fiber Type	50/125 OM3 multimode	

1. Specifications at room temperature, without connectors
2. Tap ratio is a nominal value of output power divided by input power.  
Actual insertion loss is specified by the insertion loss specification.
3. Dual band 850 nm & 1310 nm adds 0.20 dB

### ORDERING INFORMATION

GPC-□-□/1x2-□-□-50/OM3-□

#### Product Code

GPC Coupler Module

#### Slot Width

1S 1-Slot Module  
2S 2-Slot Module

#### Number of Couplers

X Specify # of Couplers  
Max of 6 for 1S Module  
Max of 12 for 2S Module

#### Coupler Type

1x2 1x2 split

#### Tap Ratio<sup>2</sup>

5 5%  
10 10%  
25 25%  
50 50%

#### Wavelength Range

8 850 nm  
8/13 850 and 1310 nm  
13 1310 nm

#### Fiber and Jacket Type

50/OM3 50/125 OM3 multimode fiber

#### Connector Type

FC FC/PC  
SC SC/PC  
ST ST/PC  
LC LC/PC

### MECHANICAL DIMENSIONS

(Units: mm)

