

GP750 PROGRAMMABLE INSTRUMENT

MULTIMODE 1X4 THIN FILM COUPLER PLUG-IN MODULE

DiCon's Multimode 1x4 Thin Film Coupler Plug-In Module utilizes thin film filters to split light into four equal 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



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OPTICAL SPECIFICATIONS¹

PARAMETER	RATING
Coupler Type	Thin Film
Split Configuration	1x4
Insertion Loss, 25% Tap Ratio ^{2,3}	7.2 dB max.
Back Reflection	-25 dB max.
Fiber Type	50/125 OM3 multimode

- 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.
- Dual band 850 nm & 1310 nm adds 0.40 dB

ORDERING INFORMATION

GPC-□-□/1x4-□-□-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 3 for 1S Module Max of 6 for 2S Module
Coupler Type	
1x4	1x4 split
Tap Ratio²	
25	25% / 25% / 25% / 25%
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)

