ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Keysight / Agilent 86105B* at our website: *Click HERE*

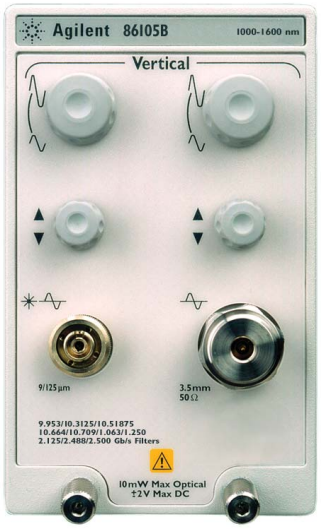
Agilent 86105B 15 GHz Optical and 20 GHz Electrical Plug-In Module

Test a wide variety of telecom and datacom transmission rates with the 86105B multi-rate compliance filter module

The 86105B Infiniium DCA plug-in module offers unprecedented optical filter coverage for SONET/ SDH and Datacom/Enterprise technologies from 155 Mb/s to 11.317 Gb/s. With the increased need to address the bottleneck concerns within the Enterprise and Telecom networks, network equipment elements and their components need to be engineered with flexibility, performance and cost in mind. The 86105B now allows designers and manufactures to test transmitter compliance and perform waveform characterization on multiple technologies and data rates with a single module.

Component/System Design and Manufacturing

The 86105B gives designers and manufacturers the ability to accurately characterize the transmission performance of components and systems that cross the boundary between Telecom (e.g. SONET/ SDH) and Datacom/Enterprise (e.g. Ethernet) technologies. Such examples would include 10 Gb/s 200/300 pin MSA transponders which may be designed to conform to different standards and different data rates. Also new devices being designed for emerging standards, such as Xenpaks for 10 Gb Ethernet or small form factor (SFF and SFP) transceivers for the OC-48 market.



OC-192 SONET transmission has various specified rates depending on the technology being implemented and the network being designed. The OC-192 rate is 9.953 Gb/s. The rate goes up to 10.664 Gb/s with the addition of Forward Error Correction (FEC). In addition there is now OTN G.709, which adds additional network control and further increases the rate to 10.71 Gb/s. To meet this increased transmission speed, components must scale and be tested accordingly.

Unprecedented Filter Rate Coverage

Data Rate	Standard	Option 86105B-111	Option 86105B-112	Option 86105B-113
155 Mb/s 622 Mb/s	OC-3 OC-12		X X	
1063 Mb/s 1250 Mb/s	Fibre Channel GbE			X X
2125 Mb/s 2488 Mb/s 2500 Mb/s 2500 Mb/s 2666 Mb/s	2x Fibre Channel OC-48 2xGbE InfiniBand OC-48 (FEC)		 X X X X	X X X X
9.953 Gb/s 10.3125 Gb/s 10.51875 10.664 Gb/s 10.709 Gb/s 11.096 Gb/s 11.317 Gb/s	OC-192 10GbE 10xFibre Channel OC-192 (FEC) OC-192 (ITU-TG.709) 10GbE 10G Fibre Channel	X X X X X X X	X X X X X X X	X X X X X X X

Specifications (Preliminary)

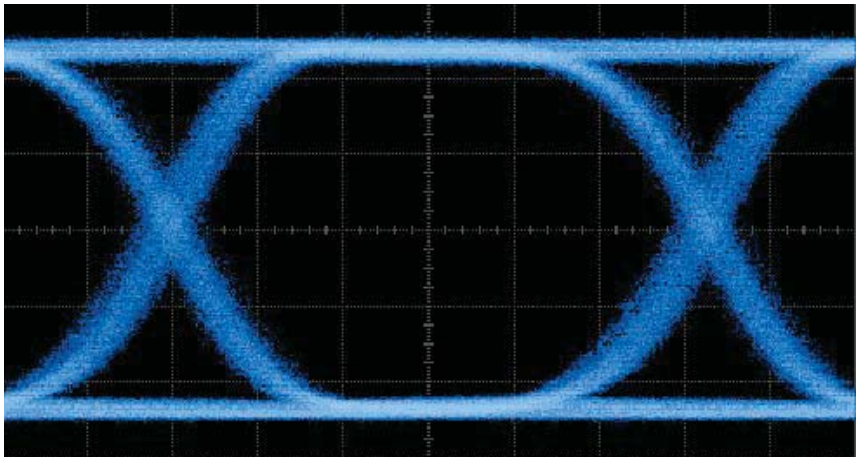
Bandwidth	15 GHz Optical and 20 GHz Electrical
Wavelength	1000–1600 nm
Sensitivity (typical)	–12 dBm
RMS noise	5 µW
Fibre Input	Single Mode

Agilent Technologies

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

In the midst of increasing SONET/SDH rates, new Datacom/Enterprise standards are emerging such as 10 Gb Ethernet and 10X Fibre Channel, which run at 10.3125 Gb/s and 10.51875 Gb/s respectively. Switching and routing systems are required to interface some of these technologies (specifically the IEEE 802.3 Ethernet standards and SONET) at varying rates. Therefore, the ability to test and characterize performance across a wide range of technologies and data-rates is essential in the R&D and manufacturing environments.

Multi-port and multi-rate system/component designers and manufactures can take advantage of both the wide filter coverage and -12 dBm sensitivity of the 86105B. With this module it is now possible to characterize optical transmission performance of all SONET, Ethernet, and Fibre Channel technologies, from 155 Mb/s through to 10 Gb/s. In addition, new Infiniium DCA 86100A/B firmware now supports mask testing for emerging standards such as optical InfiniBand and electrical XAUI signaling.



86105B 15 GHz Opt. bandwidth sensitivity spec: -12 dBm at 1310 nm

Agilent Email Updates

www.agilent.com/find/emailupdates
Get the latest information on the products and applications you select.

Agilent Direct

www.agilent.com/find/agilentdirect
Quickly choose and use your test equipment solutions with confidence.

Agilent Open

www.agilent.com/find/open
Agilent Open simplifies the process of connecting and programming test systems to help engineers design, validate and manufacture electronic products. Agilent offers open connectivity for a broad range of system-ready instruments, open industry software, PC-standard I/O and global support, which are combined to more easily integrate test system development.

www.agilent.com

For more information on Agilent Technologies' products, applications or services, please contact your local Agilent office. The complete list is available at:

www.agilent.com/find/contactus

Phone

Americas	
Canada	(877) 894-4414
Latin America	305 269 7500
United States	(800) 829-4444

Asia Pacific	
Australia	1 800 629 485
China	800 810 0189
Hong Kong	800 938 693
India	1 800 112 929
Japan	81 426 56 7832
Korea	080 769 0800
Malaysia	1 800 888 848
Singapore	1 800 375 8100
Taiwan	0800 047 866
Thailand	1 800 226 008

Europe	
Austria	0820 87 44 11
Belgium	32 (0) 2 404 93 40
Denmark	45 70 13 15 15
Finland	358 (0) 10 855 2100
France	0825 010 700
Germany	01805 24 6333* *0.14€/minute
Ireland	1890 924 204
Italy	39 02 92 60 8484
Netherlands	31 (0) 20 547 2111
Spain	34 (91) 631 3300
Sweden	0200-88 22 55
Switzerland	(French) 44 (21) 8113811 (Opt 2)
Switzerland	(German) 0800 80 53 53 (Opt 1)
United Kingdom	44 (0) 7004 666666

Other European countries:
www.agilent.com/find/contactus
Revised: March 23, 2007

Product specifications and descriptions in this document subject to change without notice.

© Agilent Technologies, Inc. 2001, 2008
Printed in USA, April 25, 2008
5988-6929EN

Agilent Technologies

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP