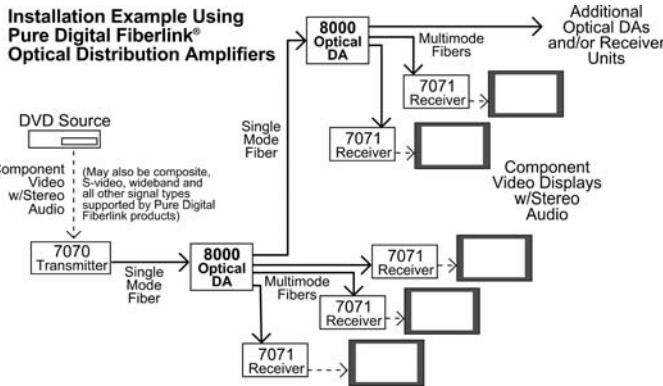


# 8000 SERIES

Four output optical D.A. works with one-way Pure Digital Fiberlink systems, providing infinite signal extension and distribution options



8000 Series - Digital		
SIGNAL	CHANNELS	DIRECTION
All Types	1 to 4 DA	→

## Description and Features:

Receives an optical signal from a Pure Digital Fiberlink transmitter; then digitally regenerates and relaunches it over one to four outputs

Works with one-way Pure Digital Fiberlink systems\*; can support multiple channels on each output

Units may be daisy chained to create elaborate distribution networks

Absolutely no degradation to original baseband signals

Inputs and outputs configured separately

Works with multimode or single mode fiber at 850, 1310 or 1550 nm

Stand-alone box with internal power supply

One and two unit rackmount kits available for mounting in 19" rack

## Ordering Information:

Part Number	Description
8001pp-yzw	Configured for 1 output
8002pp-yzww	Configured for 2 outputs
8003pp-yzwww	Configured for 3 outputs
8004pp-yzwwww	Configured for 4 outputs
1240	Rackmount for one 8000 unit
1241	Rackmount for two 8000 units

### Part Number Suffix Codes:

#### pp: Type of A/C Line Cord

NA	N. America
AU	Australia
EU	Europe
JP	Japan
UK	United Kingdom

#### y: Input Optical Wavelength/Mode

8	850 nm, MM
3	1310/1550, MM or SM

#### z: Input Connector

S	ST connector
F	FCPC connector

### w: Output Optical Wavelength/Mode/Connector

A	850 nm, MM, ST
B	850 nm, MM, FC
C	1310 nm, MM or SM, ST
D	1310 nm, MM or SM, FC
E	1310 nm, MM or SM, ST, High Speed
F	1310 nm, MM or SM, FC, High Speed
G	1550 nm, MM or SM, ST
H	1550 nm, MM or SM, FC

\*See chart on reverse side for wavelength compatibility.



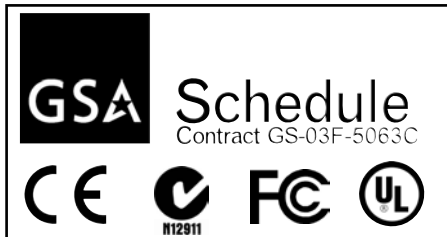
## Video, Audio and Data Specifications:

The 8000 Series Optical D.A. does not have any video, audio or data specifications of its own. These baseband specifications are a function of the Pure Digital Fiberlink system that is being used in conjunction with the 8000 Series. Refer to the respective product data sheets for complete information.

It should be noted that when using an 8000 Series O.D.A., operating loss budget and maximum usable distance will vary from that specified on the individual product data sheets. A supplement to this data sheet, featuring a complete listing of loss budgets, is available [online](#). Or, you may contact CSI's sales department for assistance.

## General Specifications:

Operating Wavelength .....	850, 1310 and/or 1550 nm
---	
Number of Fibers .....	1 in; 1 to 4 out
---	
Signal Connectors** .....	ST and/or FCPC
---	
LED Indicators .....	Power, Inut Signal Present, Unit Locked to Input
---	
Operating Temperature .....	-10° C to +40° C
---	
Relative Humidity .....	10% - 90% (non-condensing)
---	
Operating Power .....	95 - 250 volts AC, 47-63 Hz, 10 watts
---	
Physical Size .....	7.25 W x 1.5 H x 8 D (inches) 184 W x 38 H x 203 D (mm)
---	
Weight .....	approx. 2 lbs.; 0.91 kg
---	
Slots Filled in 6000A Card Cage .....	Card version is not offered at this time. Single and double unit rackmount kits may be purchased for mounting the box unit within a standard 19" rack.



UPDATED 2/23/05  
All specifications are subject to change without notice. Pure Digital Fiberlink is a registered trademark of Communications Specialties, Inc. © 2005

## Warranty:

Pure Digital Fiberlink transmission systems are backed by a three-year limited warranty on parts and labor.\*

\*See web site for terms and conditions.

\*\* Class I Laser Product complies with FDA performance standard for laser products, Title 21, Code of Federal Regulations, Sub-Chapter J



8000 Series - Digital		
SIGNAL	CHANNELS	DIRECTION
All Types	1 to 4 DA	→

## Compatibility Chart:

The following chart indicates which Pure Digital Fiberlink systems can interface with the 8000 Series units. Note that when multiple O.D.A.s are cascaded together, signal compatibility is a function of the Pure Digital Transmitter and Receiver units being used on each end of the system.

8000 O.D.A.s can RECEIVE the following inputs from Pure Digital Fiberlink Transmitter units:

CAN Receive = ● CANNOT Receive = ○

Tx Output To D.A.	850nm MM	1310nm MM	1310nm SM	1550nm MM/SM
3132	○	●	●	●
3400	○	○	○	○
3440	●	○	○	○
4040	●	●	●	●
4160	●	●	●	●
4320	●	●	●	●
7030	●	●	●	●
7040	●	●	●	●
7050	●	●	●	●
7060	●	●	●	●
7070	●	●	●	●
7100	●	●	●	●
7130	●	●	●	●
7140	●	●	●	●
7220	○	●	●	●
8000	●	●	●	●
8100	●	●	●	●
Flex	●	●	●	●

8000 O.D.A.s can TRANSMIT the following outputs to Pure Digital Fiberlink Receiver units:

CAN Transmit = ● CANNOT Transmit = ○

D.A Output To Rx	850nm MM	1310nm MM	1310nm SM	1550nm MM/SM
3133	○	●	●	●
3401	○	○	○	○
3441	●	○	○	○
4041	●	●	●	○
4161	●	●	●	○
4321	●	●	●	○
7031	●	●	●	●
7041	●	●	●	●
7051	●	●	●	●
7061	●	●	●	●
7071	●	●	●	●
7101	●	●	●	●
7131	●	●	●	●
7141	●	●	●	●
7221	○	●	●	●
8000	●	●	●	●
8100	●	●	●	●
Flex	●	●	●	○

