

Date: 05/02/01  
Time: 13:39

JDS UNIPHASE Inc.  
Traveler

VISIBILITY- JDWP0323  
Page: 1

Assembly: ED011894-A-01 ASSY'OPTICS PS30X0+25



JDS Catalogue Part No:

JDS Marking No:  
Customer Part NO:

Routing No.: Revision: 300 Required: 25.000

Work Order: 727194



Sales Order: Line: Rel: Cust P/O:

[ ] CLOSED (Y/N) [ ] PARTIAL SHIPMENT (Y/N)

WO Date Due: 07/03/01

Planner : PSCR-B2J2-L

SO Date PROMISED:

SO Date REQUIRED:

Customer:

Ship to:

Serial Number: ME033211

Oper. No. Oper. ID. Work Center

10 KIT KIT MATERIALS Checked By: YVES  
Quantity: 25  
Date: MAY 08 2001

20 ASSY PRODUCTION BUILD Checked By: DIDIER  
Quantity: \_\_\_\_\_  
Date: \_\_\_\_\_

30 INSP INSPECT PRODUCTS Checked By: M.L  
Quantity: 061701  
Date: \_\_\_\_\_

Customer Details  
-----

\*\*\* Refer to customer Song and Dance for Shipping information \*\*\*\*

Additional Part Description  
-----

ASSY'OPTICS PS30X0+25

##DRA1017##

Model #: PS 3050 v25  
 Version of Drawing: \_\_\_\_\_

Work Order: \_\_\_\_\_  
 Assembled By: DIDIER  
 Date: 18/05/2001

Reference power meter reading: \_\_\_\_\_  
 (For 980 versions)

Coupler Model #: 3-Port Coupler Loss Coupler Ser. #: ME033211

	Final Loss		
	1.3	1.5	.98 <sup>1</sup>
Insertion loss	<u>3.75</u>	<u>3.48</u>	
Back reflection			

Switch Model #: SW13-2349 Switch Loss Switch Ser. #: KE172475

	Final Loss		
	1.3	1.5	.98 <sup>1</sup>
Insertion loss	<u>←</u>	<u>0.36</u>	
Back reflection	<u>—</u>	<u>70.9</u>	

Optics Block

Optics Block Ser. #: \_\_\_\_\_

		Final Loss		
		1.3	1.5	.98 <sup>1</sup>
Insertion loss	Before epoxy	<u>4.42</u>	<u>4.45</u>	
	After Cure	<u>4.53</u>	<u>4.54</u>	
Back reflection	Before epoxy	<u>66</u>	<u>66</u>	
	After Cure	<u>63</u>	<u>64</u>	

Final testing

Reference Values: Insertion Loss \_\_\_\_\_ dB Back-Reflection: \_\_\_\_\_ dB PDL: \_\_\_\_\_ dB

	Final Loss								
	1.3			1.5			.98 <sup>1</sup>		
	CH2	CH1	CH3	CH2	CH1	CH3	CH2	CH1	CH3
Insertion loss									
Back reflection									
PDL									
PDL fluctuation (yes or no)									

Tested by: \_\_\_\_\_

<sup>1</sup> Only for 980 versions. Subtract the power meter reference reading. A correction factor must be applied to all .98nm back reflection measurements.

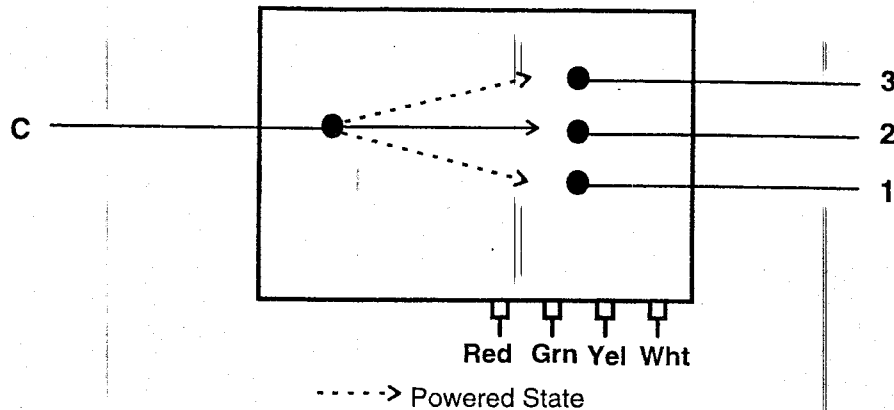
# SW 1:3 Optical Switch - Direct Drive

Product Code: SW13-2349

Serial Number: KE172475

JDS Uniphase Corporation  
570 West Hunt Club Road  
Nepean (Ottawa), Ontario  
K2G 5W8 Canada

Tel 613 727-1304  
Sales 613 727-1303  
Fax 613 727-8284  
www.jdsunph.com



## Operating Instructions:

1. Connect the GREEN pin to Ground.
2. YELLOW pin, No Connection.
3. Connect Switching pins as follows:

Optical Connection	Red Pin	White Pin
C - 1	5V	-----
C - 2	-----	-----
C - 3	-----	5V

Note: Typical operating current is 45 mA maximum. Operating voltage +5VDC ±5%.

## Test Results:

Optical Path	Insertion Loss <sup>1</sup> (dB) @ 1550 nm	Insertion Loss <sup>1</sup> (dB) @ - nm	Max. Insertion Loss Spec. <sup>2</sup> (dB)	Return Loss <sup>3</sup> (dB) @ 1550 nm	Return Loss <sup>3</sup> (dB) @ - nm	Min. Return Loss Spec. <sup>3</sup> (dB)
C - 1	0.25	-	0.8	68.9	-	60
C - 2	0.36	-	0.8	70.9	-	60
C - 3	0.47	-	0.8	68.8	-	60

Notes: 1) - Includes the loss of one connector in connectorized versions.

2) - Spec. excludes connector loss. Add 0.2 dB typical for each connector in connectorized versions.

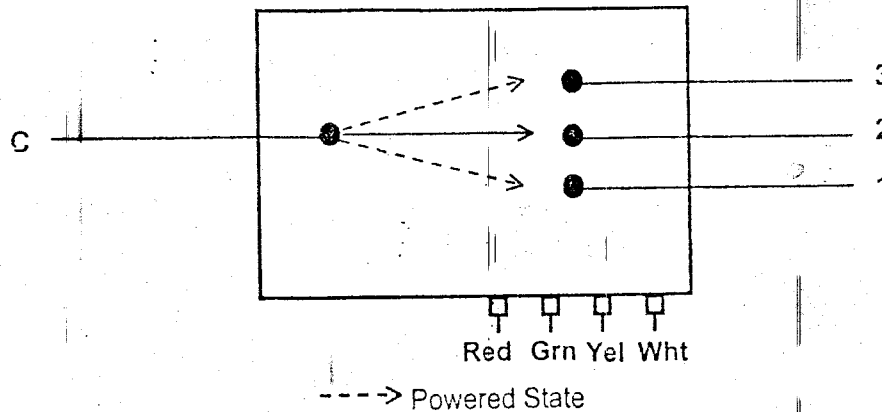
3) - Excludes connectors in connectorized versions.

# SW 1:3 Optical Switch - Direct Drive

Product Code: SW13-2349

Serial Number: KE172475

*Retest*



## Operating Instructions:

1. Connect the GREEN pin to Ground.
2. YELLOW pin, No Connection.
3. Connect Switching pins as follows:

Optical Connection	Red Pin	White Pin
C - 1	5V	-----
C - 2	-----	-----
C - 3	-----	5V

Note: Typical operating current is 45 mA maximum. Operating voltage +5VDC  $\pm$ 5%.

## Test Results:

Optical Path	Insertion Loss <sup>1</sup> (dB) @ 1550 nm	Insertion Loss <sup>1</sup> (dB) @ nm	Max. Insertion Loss Spec. <sup>2</sup> (dB)	Return Loss <sup>3</sup> (dB) @ 1550 nm	Return Loss <sup>3</sup> (dB) @ nm	Min. Return Loss Spec. <sup>3</sup> (dB)
C - 1	—	—	—	—	—	—
C - 2	—	—	—	—	—	—
C - 3	—	—	—	—	—	—
1 - C	.37	—	0.8	69.8	—	60
2 - C	.45	—	0.8	66.8	—	60
3 - C	.50	—	0.8	67.5	—	60

- Notes: 1) - Includes the loss of one connector in connectorized versions.  
 2) - Spec. excludes connector loss. Add 0.2 dB typical for each connector in connectorized versions.  
 3) - Excludes connectors in connectorized versions.

## PS3 Series 3-Port Coupler Worksheet

(ED008160-A-00)  
(ED008160-A-02)

AUG 24 2001

WO# 725624  
S/N: 24

Date: 15/05/01  
Name: M. Khalid

	Meter #1			Meter #2		
	For ED008160-A-02	For ED008160-A-00		For ED008160-A-02	For ED008160-A-00	
	980	1310	1550	980	1310	1550
Source (ref.)		2.07	4.22			
Right Tube Loss		2.21	4.33			
Left Tube Loss		2.25	4.38			
Output Without Epoxy		6.70	8.55		6.65	8.65
Losses Without Epoxy		4.63	4.33		4.58	4.23
Output uncured		5.70	7.55		5.65	7.65
Losses before cure		3.63	3.33		3.58	3.43
Output cured		5.82	7.70		5.65	7.45
Losses after cure		3.75	3.48		3.58	3.23

**Comments:**

