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## PRODUCT INSPECTION REPORT

Sales Order No.: 2001005

Date: 30-Jul-01

Model No.	Serial No.	JDSU Spec. Version	Customer Spec. Version	
DWFI2340JDS03-1	H12552799	Rev.01	N/A	
<b>Device Schematic</b>				
<p>1544.26 ~ 1544.79 nm                      1541.35~1542.94/1546.12~1547.72 nm (Yellow)                      1541.35~1542.94/1546.12~1547.72 nm (Blue)</p> <p>1544.26 ~ 1544.79 nm (Orange)</p>				
<b>Device Performance @ 23°C</b>				
Pass Channel C ↔ P	Wavelength Range $\lambda_P$		1544.26 ~ 1544.79 nm	
	Pass Band @ -0.5 dB	Min.	0.80 nm	
	Insertion Loss	Max.	0.65 dB	
	Isolation @ $\lambda_P$	@ Adjacent Channel	Min.	47 dB
		@ Non-adj. Channel	Min.	51 dB
	PDL	Max.	0.01 dB	
Directivity P → R	Min.	61 dB		
Reflection Channel C ↔ R	Wavelength Range $\lambda_R$		1541.35~1542.94/1546.12~1547.72 nm	
	Insertion Loss	Max.	0.18 dB	
	Isolation @ $\lambda_P$	Min.	25 dB	
	PDL	Max.	0.01 dB	
	Directivity R → P	Min.	62 dB	
Return Loss	Min.	C → C: 58    P → P: 58    R → R: 53	45 dB	
<b>Device Packaging</b>				
Fiber Type: 250 $\mu$ m jacket				
Connector: None				
Dimension: $\varnothing 5.5 \pm 0.2 \times 32 \pm 2$ mm		Fiber Length: 1.0 $\pm$ 0.1m		
<b>Attachment</b>				
Spectrum Report (1 Page)				
<b>Comment</b>				
Customer P/N: N/A				

Test by: TLS:0890, OSA:0890

Check by: DL04

## Test 1



Test Date: 07/30/2001 07:50-08:01  
 Operator-Station: 0890-WDMTEST21

	Connector	Color	Fiber
C	None	Yellow	SMF-28 250 micron
P	None	Orange	SMF-28 250 micron
R	None	Blue	SMF-28 250 micron
S	None	None	None

Model #: DWF12340JDS03-1

Template: DWF12340JDS03-1 01

Work Order #:

Travel Card #: ZW0242803

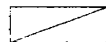
Fiber Length = 1.00 ± 0.10

Dimension: 5.5 x 32

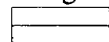
Wavel nm	Temp. C°	Ref. C->P	Ref. C->R	Loss C->P	PDL C->P	Loss C->R	PDL C->R	Loss P->C	PDL P->C	RL P->P	D P->R	RL R->R	D R->P	RL C->C	Loss P->S	PDL P->S	D R->S	D C->S	D S->R	D S->C	RL S->S
Ripple																					
1541.35	23.00	-9.51	-9.51	-61		-0.16															
1542.94	0.00	-9.45	-9.42	-52		-0.21	0.01														
1542.94	23.00	-9.45	-9.42	-52		-0.18	0.01					-53	-62	-58							
1542.94	75.00	-9.45	-9.42	-53		-0.16	0.01														
1544.26	23.00	-9.39	-9.38	-0.64	0.01	-26															
1544.26	75.00	-9.39	-9.38	-0.72	0.01	-42															
1544.53	0.00	-9.38	-9.36	-0.57	0.01	-24															
1544.53	23.00	-9.38	-9.36	-0.56	0.01	-25				-58	-61			-58							
1544.53	75.00	-9.38	-9.36	-0.59	0.01	-29															
1544.79	0.00	-9.37	-9.35	-0.59	0.01	-27															
1544.79	23.00	-9.37	-9.35	-0.58	0.01	-30															
1546.12	23.00	-9.31	-9.30	-48		-0.18	0.01														
1546.12	75.00	-9.31	-9.30	-47		-0.18	0.01														
1547.72	23.00	-9.27	-9.24	-62		-0.17															

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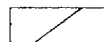
Failed



Marginal



TDL Failed



WithConnector Center WL

1545\*

1544.53

Ripple

Ripple



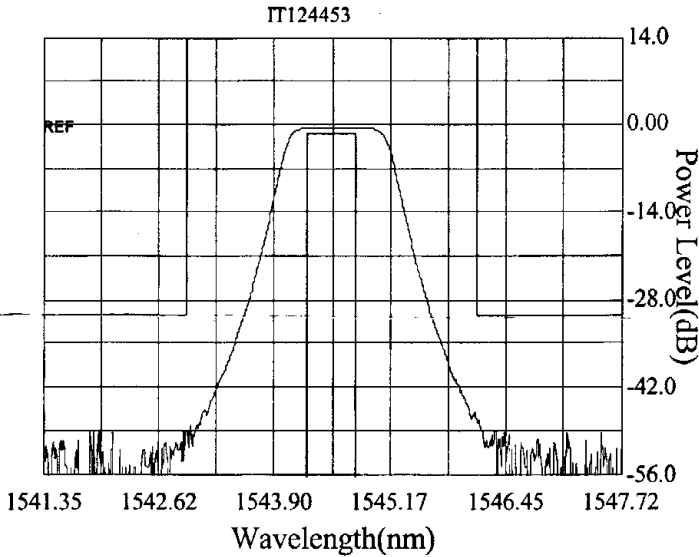
# WDM Spectrum Performance Test Report

Report Date: 07/30/2001

Model #: DWFI2340JDS03-1  
 Template: DWFI2340JDS03-1 01  
 Travel Card #: ZW0242803  
 Serial #: H12552799

Test No: 1  
 Temperature: 23.0  
 Fail: /  
 Warning: —

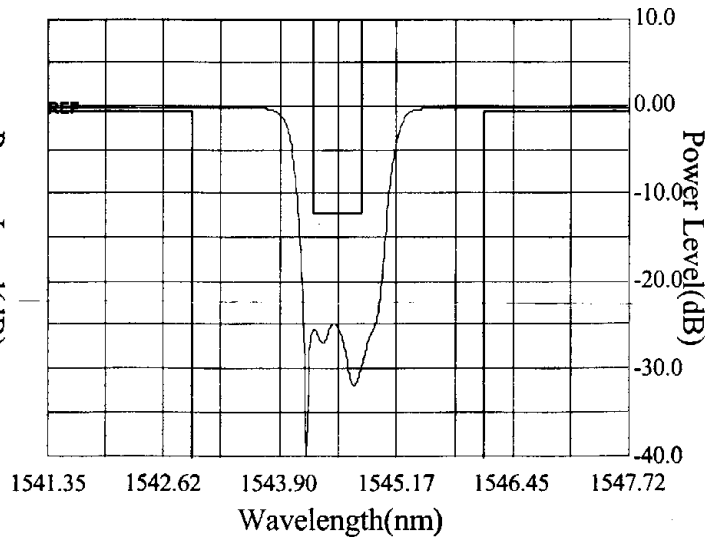
Operator: 0890  
 Station: WDMTEST21  
 Test Date: 07/30/2001  
 Test Time: 20:59



**Bandpass Performance Test**

Center Wavelength & Bandwidth (down from PN -0.57dB)

dB Down	WLeft(nm)	WLRgt(nm)	BW(nm)	CW(nm)	Ripple(dB)
-0.50	1544.13	1545.04	0.80	1544.59	0.02
-1.00	1544.10	1545.08	0.87	1544.59	0.02
-16.00	1543.82	1545.37	1.41	1544.60	0.02



**Notch Performance Test**

Center Wavelength & Bandwidth (down from Peak -0.17dB)

dB Down	WLeft(nm)	WLRgt(nm)	BW(nm)	CW(nm)	Ripple(dB)

Passband Loss & Ripple (IL @ NominalWL 1544.53nm = -0.57dB)

ILLeft(dB)	ILRgt(dB)	ILMax(dB)	ILMin(dB)	Rpl(dB)	WLLft(nm)	WLRt(nm)
-0.65	-0.60	-0.65	-0.57	0.08	1544.26	1544.79

Drop Channel Isolation

IsoLeft(dB)	IsoRight(dB)	IsoMin(dB)	MinWL(nm)	WLLft(nm)	WLRt(nm)
-26	-30	-25	1544.49	1544.26	1544.79

Adjacent Channel Isolation

IsoLeft(dB)	IsoRight(dB)	IsoMin(dB)	MinWL(nm)	WLLft(nm)	WLRt(nm)
-54	-48	-48	1542.93	1541.35	1542.94
-47	-51	-47	1546.12	1546.12	1547.72

Adjacent Channel Insertion Loss & Ripple

ILLeft(dB)	ILRt(dB)	ILMax(dB)	ILMin(dB)	Rpl(dB)	WLLft(nm)	WLRt(nm)
-0.17	-0.18	-0.18	-0.17	0.01	1541.35	1542.94
-0.18	-0.17	-0.18	-0.17	0.01	1546.12	1547.72



Form-1571 Rv1.00 1/12/01

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