

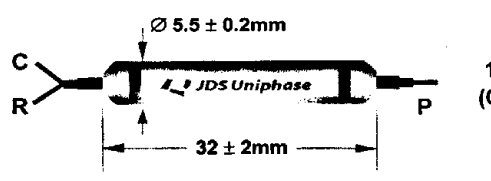


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PRODUCT INSPECTION REPORT

Sales Order No.: 2001005

Date: 30-Jul-01

Model No.	Serial No.	JDSU Spec. Version	Customer Spec. Version
DWFI2328JDS03-1	H12552304	Rev.01	N/A
Device Schematic			
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;"> <p>1541.87 ~ 1542.40 nm 1538.97~1540.55/1543.73~1545.32 nm (Yellow) 1538.97~1540.55/1543.73~1545.32 nm (Blue)</p> </div> <div style="text-align: center;">  </div> <div style="text-align: right;"> <p>1541.87 ~ 1542.40 nm (Orange)</p> </div> </div>			
Device Performance @ 23°C			
Pass Channel C ↔ P	Wavelength Range λ_p		1541.87 ~ 1542.40 nm
	Pass Band @ -0.5 dB	Min.	0.81
	Insertion Loss	Max.	0.60
	Isolation @ Adjacent Channel	Min.	44
		@ Non-adj. Channel	53
	PDL	Max.	0.03
Directivity P → R	Min.	54	
Reflection Channel C ↔ R	Wavelength Range λ_R		1538.97~1540.55/1543.73~1545.32 nm
	Insertion Loss	Max.	0.32
	Isolation @ λ_p	Min.	27
	PDL	Max.	0.04
	Directivity R → P	Min.	64
Return Loss	Min.	C → C: 56 P → P: 64 R → R: 59	45 dB
Device Packaging			
Fiber Type: 250 μ m jacket			
Connector: None			
Dimension: $\varnothing 5.5 \pm 0.2 \times 32 \pm 2$ mm		Fiber Length: 1.0 \pm 0.1m	
Attachment			
Spectrum Report (1 Page)			
Comment			
Customer P/N: N/A			

Test by: TLS:0440, OSA:0440

Check by: 0760

Test 1



Test Date: 07/28/2001 16:29-16:40
Operator-Station: 0440-WDMTEST13

	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 #: DWF12328JDS03-1

Work Order #:

Template: DWF12328JDS03-1 01

Travel Card #: ZW0232737

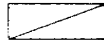
Fiber Length = 1.00 ± 0.10

Dimension: 5.5 x 32

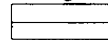
Wavel nm	Temp. C°	Ref. C->P	Ref. C->R	Loss C->P	PDL C->P	Loss C->R	PDL C->R	Loss P->C	PDL P->C	RL P->P	D P->R	RL R->R	D R->P	RL C->C	Loss P->S	PDL P->S	D R->S	D C->S	D S->R	D S->C	RL S->S
Ripple																					
1538.98	23.00	-10.11	-10.19	-66		-0.29															
1540.56	0.00	-10.03	-10.13	-44		-0.30	0.01														
1540.56	23.00	-10.03	-10.13	-44		-0.29	0.01					-59	-64	-56							
1540.56	75.00	-10.03	-10.13	-47		-0.31	0.01														
1541.88	23.00	-10.00	-10.08	-0.52	0.03	-27															
1541.88	75.00	-10.00	-10.08	-0.66	0.02	-31															
1542.14	0.00	-9.98	-10.06	-0.52	0.02	-30															
1542.14	23.00	-9.98	-10.06	-0.53	0.02	-30				-64	-54			-63							
1542.14	75.00	-9.98	-10.06	-0.67	0.02	-38															
1542.40	0.00	-9.98	-10.06	-0.64	0.02	-28															
1542.40	23.00	-9.98	-10.06	-0.61	0.02	-30															
1543.73	23.00	-9.91	-9.98	-50		-0.32	0.02														
1543.73	75.00	-9.91	-9.98	-49		-0.35	0.04														
1545.32	23.00	-9.81	-9.90	-64		-0.32															

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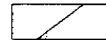
Failed



Marginal



TDL Failed



WithConnector Center WL

1542*

1542.14

Ripple

Ripple



WDM Spectrum Performance Test Report

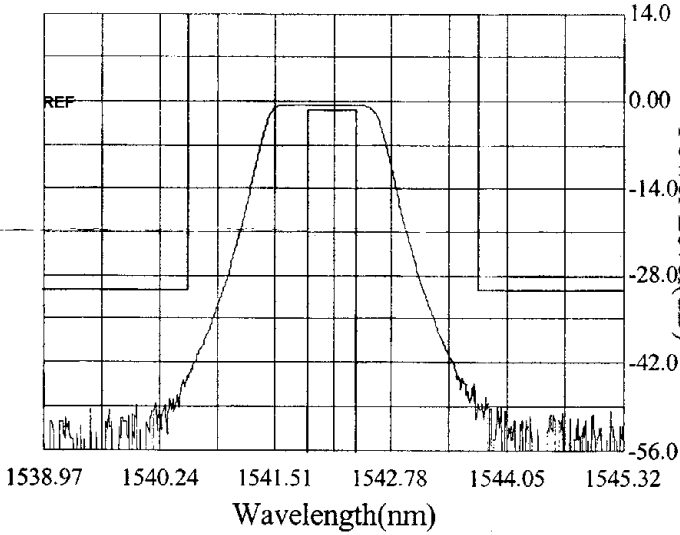
Report Date: 07/28/2001

Model #: DWFI2328JDS03-1
 Template: DWFI2328JDS03-1 01
 Travel Card #: ZW0232737
 Serial #: H12552304

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

Operator: 0440
 Station: WDMTEST13
 Test Date: 07/28/2001
 Test Time: 16:29

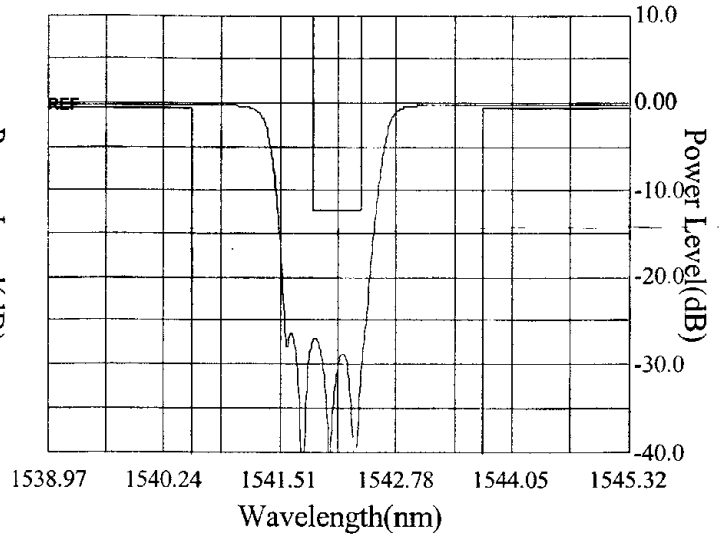
IT124214



Bandpass Performance Test

Center Wavelength & Bandwidth (down from PN -0.51dB)

dB Down	WLLeft(nm)	WLRgt(nm)	BW(nm)	CW(nm)	Ripple(dB)
-0.50	1541.51	1542.54	0.81	1542.03	0.04
-1.00	1541.48	1542.59	0.89	1542.03	0.04
-16.00	1541.19	1542.88	1.47	1542.04	0.04
-25.00	1541.03	1543.04	1.79	1542.04	0.04



Notch Performance Test

Center Wavelength & Bandwidth (down from Peak -0.29dB)

dB Down	WLLeft(nm)	WLRgt(nm)	BW(nm)	CW(nm)	Ripple(dB)
-0.29	1541.89	1542.89	0.81	1542.03	0.04
-1.00	1541.86	1542.94	0.89	1542.03	0.04
-16.00	1541.57	1543.23	1.47	1542.04	0.04
-25.00	1541.41	1543.41	1.79	1542.04	0.04

Passband Loss & Ripple (IL @ NominalWL 1542.14nm = -0.52dB)

ILLeft(dB)	ILRgt(dB)	ILMax(dB)	ILMin(dB)	Rpl(dB)	WLLft(nm)	WLRt(nm)
-0.52	-0.60	-0.60	-0.51	0.09	1541.87	1542.40

Drop Channel Isolation

IsoLeft(dB)	IsoRight(dB)	IsoMin(dB)	MinWL(nm)	WLLft(nm)	WLRgt(nm)
-27	-31	-27	1541.89	1541.87	1542.40

Adjacent Channel Isolation

IsoLeft(dB)	IsoRight(dB)	IsoMin(dB)	MinWL(nm)	WLLft(nm)	WLRgt(nm)
-64	-44	-44	1540.54	1538.97	1540.55
-49	-53	-47	1543.81	1543.73	1545.32

Adjacent Channel Insertion Loss & Ripple

ILLft(dB)	ILRt(dB)	ILMax(dB)	ILMin(dB)	Rpl(dB)	WLLft(nm)	WLRt(nm)
-0.29	-0.30	-0.30	-0.29	0.02	1538.97	1540.55
-0.30	-0.32	-0.32	-0.29	0.02	1543.73	1545.32