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PRODUCT INSPECTION REPORT

Date: 13-Nov-01

Model No.	Serial No.	JDSU Spec. Version	Customer Spec. Version	
10127480-524-001	H12598627	001	N/A	
Device Schematic				
1581.91 ~ 1582.13 nm 1528.77~1581.29/1582.75~1605.74 nm (Yellow) 1528.77~1581.29/1582.75~1605.74 nm (Blue) C R Diameter JDS Uniphase Length P (Orange) 1581.91 ~ 1582.13 nm				
Device Performance @ 23°C		Test Result	Specification	
Pass Channel C ↔ P	Wavelength Range λ_p	1581.91 ~ 1582.13 nm		
	Pass Band @ 0.40 dB Min.	0.33	0.22 nm	
	Insertion Loss Max.	0.60	1.10 dB	
	Flatness Max.	0.10	0.40 dB	
	Isolation @ Adjacent Channel Min.	35	25 dB	
	Isolation @ Non-adj. Channel Min.	64	45 dB	
	PDL Max.	0.03	0.20 dB	
Directivity P → R Min.	53	45 dB		
Reflection Channel C ↔ R	Wavelength Range λ_R	1528.77~1581.29/1582.75~1605.74 nm		
	Insertion Loss Max.	0.32	0.45 dB	
	Flatness Max.	0.06	0.15 dB	
	Isolation @ λ_p Min.	25	12.0 dB	
	PDL Max.	0.01	0.10 dB	
	Directivity R → P Min.	65	45 dB	
Return Loss Min.	C → C: 53	P → P: 61	R → R: 51	45 dB
Device Packaging				
Fiber Type: C:SMF-28 250 micron P:SMF-28 250 micron R:SMF-28 250 micron				
Connector: None				
Dimension: $\varnothing 5.5 \pm 0.2 \times 32 \pm 2$ mm Fiber Length: 1.50 ± 0.10 m				
Attachment				
Spectrum Report (1 Page)				
Comment				
Customer P/N: N/A				

Test by: TLS:1312, OSA:1312

Check by: q/b2

Test 1



Test Date: 11/13/2001 04:04:04:14
Operator-Station: 1312-WDMTEST11

	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 #: 10127480-524-001

Template: 10127480-524 1.0-3

Work Order #: 100-00650

Travel Card #: SW1063938

Fiber Length = 1.50 ± 0.10

Dimension: 5.5 x 32

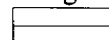
Wavel nm	Temp. C°	Ref. C->P	Ref. C->R	Loss C->P	PDL C->P	Loss C->R	PDL C->R	Loss P->C	PDL P->C	RL P->P	D P->R	RL R->R	D R->P	RL C->C	Loss P->S	PDL P->S	D R->S	D C->S	D S->R	D S->C	RL S->S
Ripple				0.10		0.06															
1528.77	23.00	-10.66	-10.70	-63		-0.25	0.01														
1580.46	23.00	-9.13	-9.22	-63		-0.26	0.01														
1581.29	0.00	-9.12	-9.21	-46		-0.29	0.01														
1581.29	23.00	-9.12	-9.21	-45		-0.28	0.01					-51	-65	-53							
1581.29	70.00	-9.12	-9.21	-44		-0.29	0.01														
1581.91	23.00	-9.15	-9.23	-0.60	0.01	-24															
1581.91	70.00	-9.15	-9.23	-0.55	0.03	-26															
1582.02	0.00	-9.15	-9.22	-0.57	0.03	-34															
1582.02	23.00	-9.15	-9.22	-0.50	0.01	-30				-61	-53			-60							
1582.02	70.00	-9.15	-9.22	-0.49	0.02	-29															
1582.13	0.00	-9.14	-9.22	-0.58	0.03	-32															
1582.13	23.00	-9.14	-9.22	-0.53	0.02	-33															
1582.75	23.00	-9.12	-9.20	-35		-0.31	0.01														
1582.75	70.00	-9.12	-9.20	-36		-0.30	0.01														
1583.59	23.00	-9.14	-9.23	-63		-0.27	0.01														
1605.74	23.00	-9.51	-9.61	-62		-0.28	0.01														

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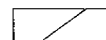
Failed



Marginal



TDL Failed



WithConnector Center WL

1582*

1582.02

Ripple

Ripple



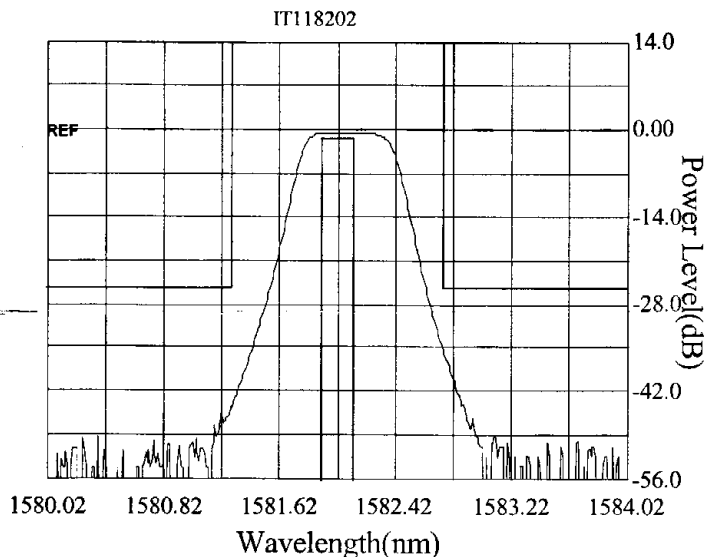
WDM Spectrum Performance Test Report

Report Date: 11/13/2001

Model #: 10127480-524-001
Template: 10127480-524 1.0-3
Travel Card #: SW1063938
Serial #: H12598627

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

Operator: 1312
Station: WDMTEST11
Test Date: 11/13/2001
Test Time: 04:04



Bandpass Performance Test

Center Wavelength & Bandwidth (down from PN -0.50dB)

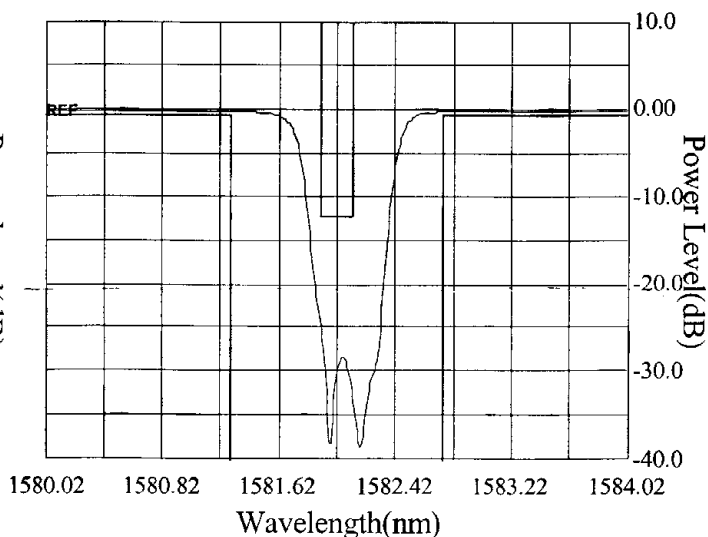
dB Down	WLLeft(nm)	WLRgt(nm)	BW(nm)	CW(nm)	Ripple(dB)
-0.40	1581.86	1582.30	0.33	1582.08	0.01

Passband Loss & Ripple (IL @ NominalWL 1582.02nm = -0.50dB)

ILLeft(dB)	ILRgt(dB)	ILMax(dB)	ILMin(dB)	Rpl(dB)	WLLft(nm)	WLRt(nm)
-0.60	-0.52	-0.60	-0.50	0.10	1581.91	1582.13

Adjacent Channel Isolation

IsoLeft(dB)	IsoRight(dB)	IsoMin(dB)	MinWL(nm)	WLLeft(nm)	WLRgt(nm)
-64	-44	-44	1581.28	1580.46	1581.29
-35	-64	-35	1582.75	1582.75	1583.59



Notch Performance Test

Center Wavelength & Bandwidth (down from Peak -0.25dB)

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

Drop Channel Isolation

IsoLeft(dB)	IsoRight(dB)	IsoMin(dB)	MinWL(nm)	WLLeft(nm)	WLRgt(nm)
-25	-33	-25	1581.91	1581.91	1582.13

Adjacent Channel Insertion Loss & Ripple

ILLeft(dB)	ILRt(dB)	ILMax(dB)	ILMin(dB)	Rpl(dB)	WLLft(nm)	WLRt(nm)
-0.25	-0.28	-0.28	-0.25	0.03	1580.02	1581.29
-0.32	-0.27	-0.32	-0.26	0.06	1582.75	1584.02