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PRODUCT INSPECTION REPORT

Date: 02-Oct-01

Model No.	Serial No.	JDSU Spec. Version	Customer Spec. Version
10127480-492-001	H12581939	Rev1.0	Rev1.0
Device Schematic			
1575.26 ~ 1575.48 nm 1528.77~1574.64/1576.1~1605.74 nm (Yellow) 1528.77~1574.64/1576.1~1605.74 nm (Blue) 1575.26 ~ 1575.48 nm (Orange) P			
Device Performance @ 23°C			
		Test Result	Specification
Pass Channel C ↔ P	Wavelength Range λ_P	1575.26 ~ 1575.48 nm	
	Pass Band @ 0.40 dB Min.	0.33	0.22 nm
	Insertion Loss Max.	0.59	1.10 dB
	Flatness Max.	0.08	0.40 dB
	Isolation @ Adjacent Channel Min.	37	25 dB
	Isolation @ Non-adj. Channel	51	45 dB
	PDL Max.	0.04	0.20 dB
Directivity P → R Min.	50	45 dB	
Reflection Channel C ↔ R	Wavelength Range λ_R	1528.77~1574.64/1576.1~1605.74 nm	
	Insertion Loss Max.	0.15	0.45 dB
	Flatness Max.	0.05	0.15 dB
	Isolation @ λ_P Min.	26	12.0 dB
	PDL Max.	0.02	0.10 dB
	Directivity R → P Min.	60	45 dB
Return Loss Min.	C → C: 52	P → P: 55	R → R: 57
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:0929, OSA:0929

Check by: 7939

Test 1



H 1 2 5 8 1 9 3 9

Test Date: 10/02/2001 08:44-08:53
Operator-Station: 0929-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 #: 10127480-492-001

Template: 10127480-492 1.0-3

Work Order #: 100-00090

Travel Card #: SW1042397

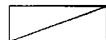
Fiber Length = 1.50 ± 0.10

Dimension: 5.5 x 32

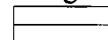
Wavel nm	Temp. C°	Ref. C->P	Ref. C->R	Loss C->P	PDL C->P	Loss C->R	PDL C->R	Loss P->C	PDL P->C	RL P->P	D P->R	RL R->R	D R->P	RL C->C	Loss P->S	PDL P->S	D R->S	D C->S	D S->R	D S->C	RL S->S
Ripple				0.07		0.08															
1528.77	23.00	-10.52	-10.57	-59		-0.14	0.01														
1573.81	23.00	-8.96	-9.02	-60		-0.15	0.02														
1574.64	0.00	-8.98	-9.04	-46		-0.14	0.02														
1574.64	23.00	-8.98	-9.04	-45		-0.12	0.02					-57	-60	-57							
1574.64	70.00	-8.98	-9.04	-45		-0.13	0.02														
1575.26	23.00	-8.96	-9.00	-0.60	0.02	-27															
1575.26	70.00	-8.96	-9.00	-0.57	0.03	-26															
1575.37	0.00	-8.97	-9.00	-0.53	0.02	-28															
1575.37	23.00	-8.97	-9.00	-0.53	0.03	-28				-55	-50			-52							
1575.37	70.00	-8.97	-9.00	-0.53	0.04	-29															
1575.48	0.00	-8.96	-9.00	-0.57	0.03	-28															
1575.48	23.00	-8.96	-9.00	-0.57	0.02	-28															
1576.10	23.00	-9.00	-9.03	-38		-0.16	0.02														
1576.10	70.00	-9.00	-9.03	-39		-0.16	0.02														
1576.94	23.00	-8.97	-9.02	-59		-0.16	0.02														
1605.74	23.00	-9.36	-9.40	-58		-0.20	0.01														

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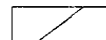
Failed



Marginal



TDL Failed



WithConnector Center WL

1575*

1575.37

Ripple

Ripple



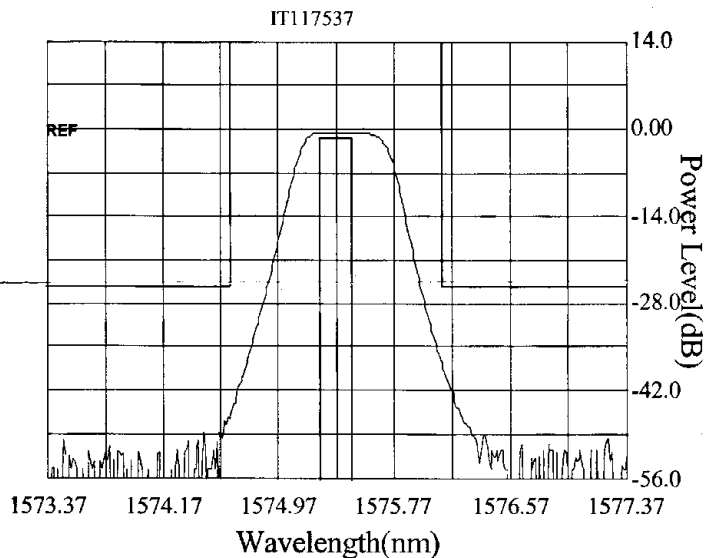
WDM Spectrum Performance Test Report

Report Date: 10/02/2001

Model #: 10127480-492-001
Template: 10127480-492 1.0-3
Travel Card #: SW1042397
Serial #: H12581939

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

Operator: 0929
Station: WDMTEST13
Test Date: 10/02/2001
Test Time: 08:44



Bandpass Performance Test

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

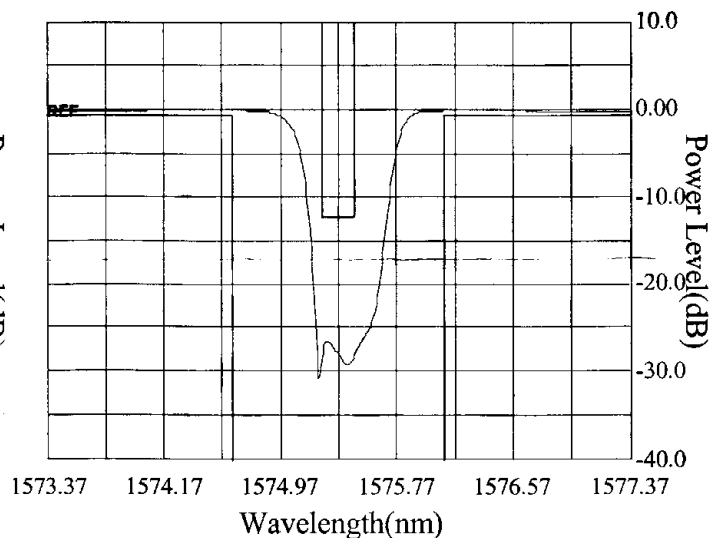
dB Down	WLLeft(nm)	WLRgt(nm)	BW(nm)	CW(nm)	Ripple(dB)
-0.40	1575.21	1575.62	0.33	1575.41	0.01

Passband Loss & Ripple (IL @ NominalWL 1575.37nm = -0.51dB)

ILLeft(dB)	ILRgt(dB)	ILMax(dB)	ILMin(dB)	Rpl(dB)	WLLft(nm)	WLRt(nm)
-0.59	-0.55	-0.59	-0.51	0.08	1575.26	1575.48

Adjacent Channel Isolation

IsoLeft(dB)	IsoRight(dB)	IsoMin(dB)	MinWL(nm)	WLLft(nm)	WLRgt(nm)
-65	-46	-46	1574.64	1573.81	1574.64
-37	-51	-37	1576.10	1576.10	1576.94



Notch Performance Test

Center Wavelength & Bandwidth (down from Peak -0.10dB)

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

Drop Channel Isolation

IsoLeft(dB)	IsoRight(dB)	IsoMin(dB)	MinWL(nm)	WLLft(nm)	WLRgt(nm)
-28	-28	-26	1575.29	1575.26	1575.48

Adjacent Channel Insertion Loss & Ripple

ILLeft(dB)	ILRt(dB)	ILMax(dB)	ILMin(dB)	Rpl(dB)	WLLft(nm)	WLRt(nm)
-0.14	-0.10	-0.14	-0.10	0.05	1573.37	1574.64
-0.13	-0.15	-0.15	-0.12	0.04	1576.10	1577.37