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PRODUCT INSPECTION REPORT

Date: 09-Nov-01

Model No.	Serial No.	JDSU Spec. Version	Customer Spec. Version	
10127480-580-001	H12597081	001	N/A	
Device Schematic				
1593.68 ~ 1593.9 nm 1528.77~1593.06/1594.52~1605.74 nm (Yellow) 1528.77~1593.06/1594.52~1605.74 nm (Blue) C R Diameter JDS Uniphase P (Orange) Length				
Device Performance @ 23°C		Test Result	Specification	
Pass Channel C ↔ P	Wavelength Range λ_p	1593.68 ~ 1593.9 nm		
	Pass Band @ 0.40 dB Min.	0.34	0.22 nm	
	Insertion Loss Max.	0.51	1.10 dB	
	Flatness Max.	0.06	0.40 dB	
	Isolation @ Adjacent Channel Min.	37	25 dB	
	Isolation @ Non-adj. Channel	64	45 dB	
	PDL Max.	0.05	0.20 dB	
Directivity P → R Min.	61	45 dB		
Reflection Channel C ↔ R	Wavelength Range λ_R	1528.77~1593.06/1594.52~1605.74 nm		
	Insertion Loss Max.	0.15	0.45 dB	
	Flatness Max.	0.03	0.15 dB	
	Isolation @ λ_p Min.	28	12.0 dB	
	PDL Max.	0.01	0.10 dB	
	Directivity R → P Min.	60	45 dB	
Return Loss Min.	C → C: 53	P → P: 59	R → R: 60	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:0757, OSA:0757

Check by: 0590

Test 1



Test Date: 11/08/2001 23:31-23:43
Operator-Station: 0757-WDMTEST14

	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 #: 10127480-580-001

Template: 10127480-580 1.0-3

Work Order #: 100-00572

Travel Card #: SW1062359

Fiber Length = 1.50 ± 0.10

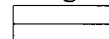
Dimension: 5.5 x 32

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				0.06		0.05															
1528.77	23.00	-10.09	-10.10	-67		-0.11	0.01														
1592.23	23.00	-8.86	-8.86	-66		-0.13	0.01														
1593.06	0.00	-8.90	-8.89	-46		-0.15	0.01														
1593.06	23.00	-8.90	-8.89	-45		-0.14	0.01					-60	-60	-58							
1593.06	70.00	-8.90	-8.89	-45		-0.14	0.01														
1593.68	23.00	-8.88	-8.88	-0.51	0.03	-30															
1593.68	70.00	-8.88	-8.88	-0.47	0.03	-27															
1593.79	0.00	-8.87	-8.88	-0.48	0.05	-33															
1593.79	23.00	-8.87	-8.88	-0.45	0.05	-31				-59	-61			-53							
1593.79	70.00	-8.87	-8.88	-0.42	0.04	-35															
1593.90	0.00	-8.88	-8.88	-0.51	0.05	-28															
1593.90	23.00	-8.88	-8.88	-0.48	0.05	-28															
1594.52	23.00	-8.90	-8.91	-38		-0.16	0.01														
1594.52	70.00	-8.90	-8.91	-38		-0.16	0.01														
1595.36	23.00	-8.89	-8.90	-65		-0.13	0.01														
1605.74	23.00	-9.26	-9.26	-65		-0.13	0.01														

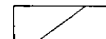
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Marginal



TDL Failed



WithConnector Center WL

1594*

1593.79

Ripple

Ripple



WDM Spectrum Performance Test Report

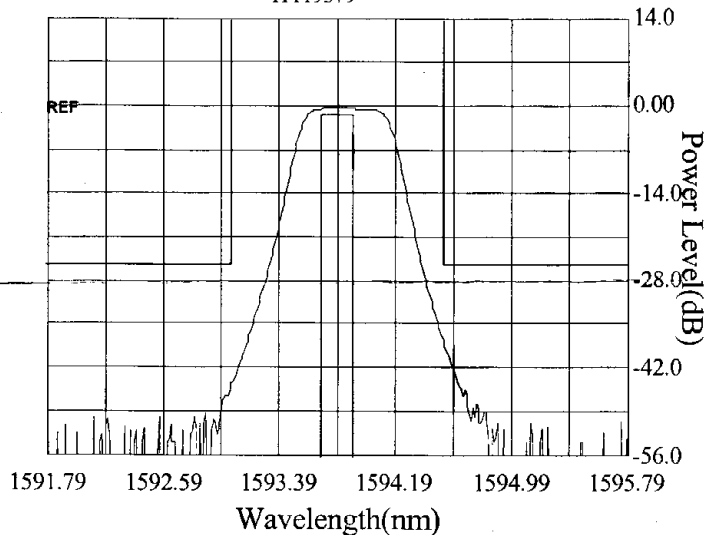
Report Date: 11/08/2001

Model #: 10127480-580-001
Template: 10127480-580 1.0-3
Travel Card #: SW1062359
Serial #: H12597081

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

Operator: 0757
Station: WDMTEST14
Test Date: 11/08/2001
Test Time: 23:31

IT119379



Bandpass Performance Test

Center Wavelength & Bandwidth (down from PN -0.44dB)

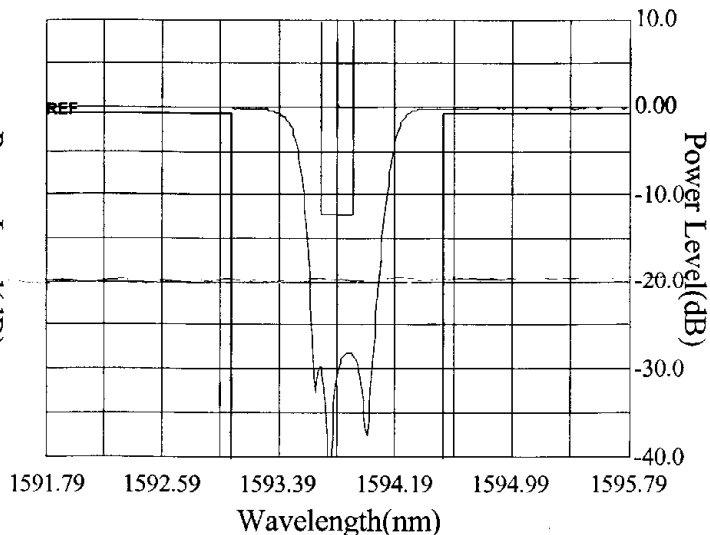
dB Down	WLeft(nm)	WLRgt(nm)	BW(nm)	CW(nm)	Ripple(dB)
-0.40	1593.62	1594.07	0.34	1593.84	0.02

Passband Loss & Ripple (IL @ NominalWL 1593.79nm = -0.45dB)

ILLeft(dB)	ILRgt(dB)	ILMax(dB)	ILMin(dB)	Rpl(dB)	WLLft(nm)	WLRt(nm)
-0.51	-0.48	-0.51	-0.44	0.06	1593.68	1593.90

Adjacent Channel Isolation

IsoLeft(dB)	IsoRight(dB)	IsoMin(dB)	MinWL(nm)	WLLft(nm)	WLRgt(nm)
-64	-44	-44	1593.06	1592.23	1593.06
-37	-64	-37	1594.52	1594.52	1595.36



Notch Performance Test

Center Wavelength & Bandwidth (down from Peak -0.11dB)

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

Drop Channel Isolation

IsoLeft(dB)	IsoRight(dB)	IsoMin(dB)	MinWL(nm)	WLLft(nm)	WLRgt(nm)
-30	-28	-28	1593.87	1593.68	1593.90

Adjacent Channel Insertion Loss & Ripple

ILLft(dB)	ILRt(dB)	ILMax(dB)	ILMin(dB)	Rpl(dB)	WLLft(nm)	WLRt(nm)
-0.11	-0.13	-0.13	-0.11	0.02	1591.79	1593.06
-0.15	-0.13	-0.15	-0.12	0.03	1594.52	1595.79