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PRODUCT INSPECTION REPORT

Date: 01-Oct-01

Model No.	Serial No.	JDSU Spec. Version	Customer Spec. Version
10127480-592-001	H12581886	Rev1.0	Rev1.0
Device Schematic			
1596.23 ~ 1596.45 nm 1528.77~1595.59/1597.09~1605.74 nm (Yellow) 1528.77~1595.59/1597.09~1605.74 nm (Blue) 1596.23 ~ 1596.45 nm (Orange)			
Device Performance @ 23°C		Test Result	Specification
Pass Channel C ↔ P	Wavelength Range λ_P	1596.23 ~ 1596.45 nm	
	Pass Band @ 0.40 dB Min.	0.43	0.22 nm
	Insertion Loss Max.	0.80	1.10 dB
	Flatness Max.	0.05	0.40 dB
	Isolation @ Adjacent Channel Min.	38	25 dB
	Isolation @ Non-adj. Channel Min.	60	45 dB
	PDL Max.	0.06	0.20 dB
	Directivity P → R Min.	50	45 dB
Reflection Channel C ↔ R	Wavelength Range λ_R	1528.77~1595.59/1597.09~1605.74 nm	
	Insertion Loss Max.	0.22	0.45 dB
	Flatness Max.	0.04	0.15 dB
	Isolation @ λ_P Min.	16	12.0 dB
	PDL Max.	0.01	0.10 dB
	Directivity R → P Min.	64	45 dB
Return Loss Min.	C → C: 57	P → P: 61	R → R: 56
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:0908, OSA:0908

Check by: 0580

Test 1



H 1 2 5 8 1 8 8 6

Test Date: 09/30/2001 23:26-23:36
Operator-Station: 0908-WDMTEST16

	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 #: 10127480-592-001

Template: 10127480-592 1.0-4

Work Order #: 100-00101

Travel Card #: SW1042036

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				0.03		0.07															
1528.77	23.00	-10.96	-10.96	-65		-0.16	0.01														
1594.74	23.00	-9.50	-9.48	-64		-0.18	0.01														
1595.59	0.00	-9.48	-9.46	-44		-0.21	0.01														
1595.59	23.00	-9.48	-9.46	-42		-0.22	0.01					-56	-64	-57							
1595.59	70.00	-9.48	-9.46	-41		-0.23	0.01														
1596.23	23.00	-9.49	-9.47	-0.77	0.05	-25															
1596.23	70.00	-9.49	-9.47	-0.80	0.06	-21															
1596.34	0.00	-9.49	-9.46	-0.79	0.03	-17															
1596.34	23.00	-9.49	-9.46	-0.79	0.05	-16				-61	-50			-65							
1596.34	70.00	-9.49	-9.46	-0.83	0.06	-16															
1596.45	0.00	-9.50	-9.47	-0.80	0.05	-19															
1596.45	23.00	-9.50	-9.47	-0.80	0.06	-22															
1597.09	23.00	-9.49	-9.47	-39		-0.23	0.01														
1597.09	70.00	-9.49	-9.47	-41		-0.26	0.01														
1597.94	23.00	-9.50	-9.47	-63		-0.19	0.01														
1605.74	23.00	-9.83	-9.80	-63		-0.21	0.01														

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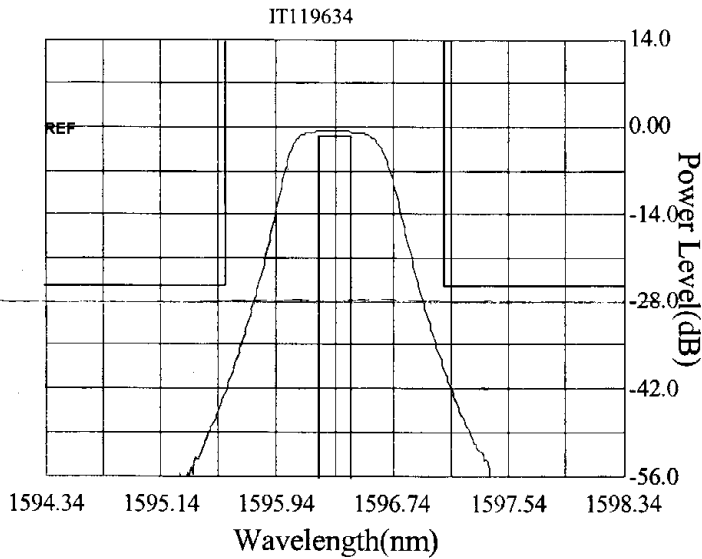
WDM Spectrum Performance Test Report

Report Date: 09/30/2001

Model #: 10127480-592-001
Template: 10127480-592 1.0-4
Travel Card #: SW1042036
Serial #: H12581886

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

Operator: 0908
Station: WDMTEST16
Test Date: 09/30/2001
Test Time: 23:26



Bandpass Performance Test

Center Wavelength & Bandwidth (down from PN -0.75dB)

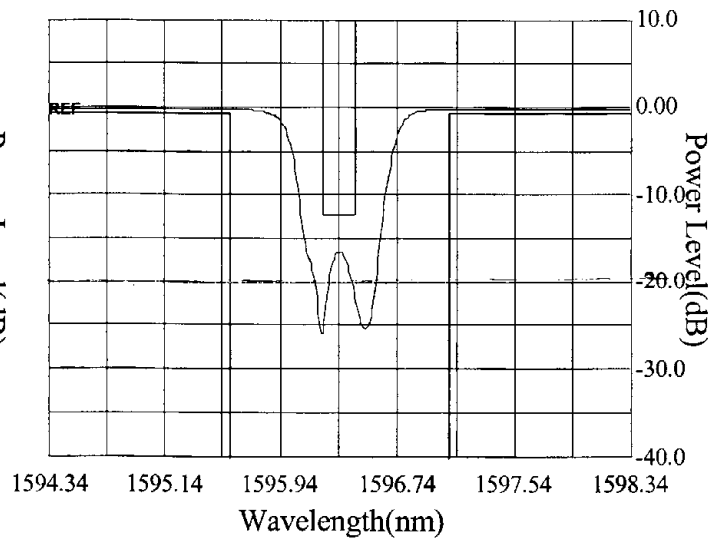
dB Down	WLLeft(nm)	WLRgt(nm)	BW(nm)	CW(nm)	Ripple(dB)
-0.40	1596.13	1596.55	0.43	1596.34	0.04

Passband Loss & Ripple (IL @ NominalWL 1596.34nm = -0.78dB)

ILLft(dB)	ILRgt(dB)	ILMax(dB)	ILMin(dB)	Rpl(dB)	WLLft(nm)	WLRt(nm)
-0.77	-0.80	-0.80	-0.75	0.05	1596.23	1596.45

Adjacent Channel Isolation

IsoLeft(dB)	IsoRight(dB)	IsoMin(dB)	MinWL(nm)	WLLeft(nm)	WLRgt(nm)
-64	-42	-42	1595.59	1594.74	1595.59
-38	-60	-38	1597.09	1597.09	1597.94



Notch Performance Test

Center Wavelength & Bandwidth (down from Peak -0.18dB)

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)
-26	-22	-16	1596.34	1596.23	1596.45

Adjacent Channel Insertion Loss & Ripple

ILLft(dB)	ILRt(dB)	ILMax(dB)	ILMin(dB)	Rpl(dB)	WLLft(nm)	WLRt(nm)
-0.19	-0.22	-0.22	-0.18	0.04	1594.34	1595.59
-0.22	-0.19	-0.22	-0.19	0.04	1597.09	1598.34