



3 Hongmian Road, Futian Free Trade Zone, Shenzhen, China 518038
Tel.: 86-755-3599988, Fax: 86-755-3592169

PRODUCT INSPECTION REPORT

Date: 07-Sep-01

Model No.	Serial No.	JDSU Spec. Version	Customer Spec. Version	
10127480-464-001	H12575907	Rev1.0	Rev1.0	
Device Schematic				
1569.49 ~ 1569.69 nm 1528.77~1568.88/1570.3~1605.74 nm (Yellow) 1528.77~1568.88/1570.3~1605.74 nm (Blue) C R P (Orange) Diameter Length JDS Uniphase				
Device Performance @ 23°C		Test Result	Specification	
Pass Channel C ↔ P	Wavelength Range λ_p	1569.49 ~ 1569.69 nm		
	Pass Band @ 0.40 dB Min.	0.31	0.20 nm	
	Insertion Loss Max.	0.65	1.10 dB	
	Flatness Max.	0.12	0.40 dB	
	Isolation @ Adjacent Channel Min.	35	25 dB	
	Isolation @ Non-adj. Channel Min.	61	45 dB	
	PDL Max.	0.08	0.20 dB	
Directivity P → R Min.	52	45 dB		
Reflection Channel C ↔ R	Wavelength Range λ_R	1528.77~1568.88/1570.3~1605.74 nm		
	Insertion Loss Max.	0.18	0.45 dB	
	Flatness Max.	0.09	0.15 dB	
	Isolation @ λ_p Min.	19	12.0 dB	
	PDL Max.	0.02	0.10 dB	
	Directivity R → P Min.	62	45 dB	
Return Loss Min.	C → C: 51	P → P: 56	R → R: 57	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:0848, OSA:0848

Check by: 0923

Test 1



H 1 2 5 7 5 9 0 7

Test Date: 09/07/2001 20:38-20:48
Operator-Station: 0848-WDMTEST10

	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 #: 10127480-464-001

Work Order #: SOT1-00347

Template: 10127480-464 1.0-2

Travel Card #: SW1034627

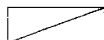
Fiber Length = 1.50 ± 0.10

Dimension: 5.5 x 32

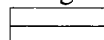
Wavel nm	Temp. C°	Ref. C->P	Ref. C->R	Loss C->P	PDL C->P	Loss C->R	PDL C->R	Loss P->C	PDL P->C	RL P->P	D P->R	RL R->R	D R->P	RL C->C	Loss P->S	PDL P->S	D R->S	D C->S	D S->R	D S->C	RL S->S
Ripple				0.12		0.10															
1528.77	23.00	-10.70	-10.68	-61		-0.09	0.01														
1568.07	23.00	-9.27	-9.25	-62		-0.10	0.01														
1568.88	0.00	-9.24	-9.21	-45		-0.17	0.01														
1568.88	23.00	-9.24	-9.21	-44		-0.18	0.01					-57	-62	-51							
1568.88	70.00	-9.24	-9.21	-44		-0.20	0.02														
1569.49	23.00	-9.25	-9.24	-0.68	0.06	-19															
1569.49	70.00	-9.25	-9.24	-0.60	0.06	-19															
1569.59	0.00	-9.26	-9.23	-0.65	0.08	-22															
1569.59	23.00	-9.26	-9.23	-0.56	0.05	-24				-56	-52			-58							
1569.59	70.00	-9.26	-9.23	-0.51	0.06	-24															
1569.69	0.00	-9.25	-9.23	-0.66	0.07	-27															
1569.69	23.00	-9.25	-9.23	-0.58	0.04	-26															
1570.30	23.00	-9.24	-9.23	-36		-0.19	0.01														
1570.30	70.00	-9.24	-9.23	-36		-0.20	0.01														
1571.14	23.00	-9.30	-9.28	-61		-0.11	0.01														
1605.74	23.00	-9.72	-9.70	-60		-0.13	0.01														

This document is controlled by DCC. By printing this document it becomes a "Reference" copy. User must verify it is the latest version.

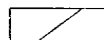
Failed



Marginal



TDL Failed



WithConnector Center WL

1570*

1569.59

Ripple

Ripple



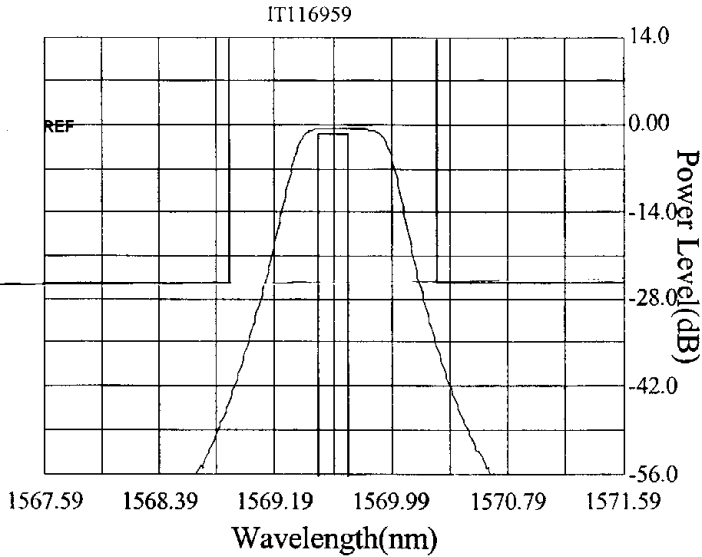
WDM Spectrum Performance Test Report

Report Date: 09/07/2001

Model #: 10127480-464-001
Template: 10127480-464 1.0-2
Travel Card #: SW1034627
Serial #: H12575907

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

Operator: 0848
Station: WDMTEST10
Test Date: 09/07/2001
Test Time: 20:38



Bandpass Performance Test

Center Wavelength & Bandwidth (down from PN -0.53dB)

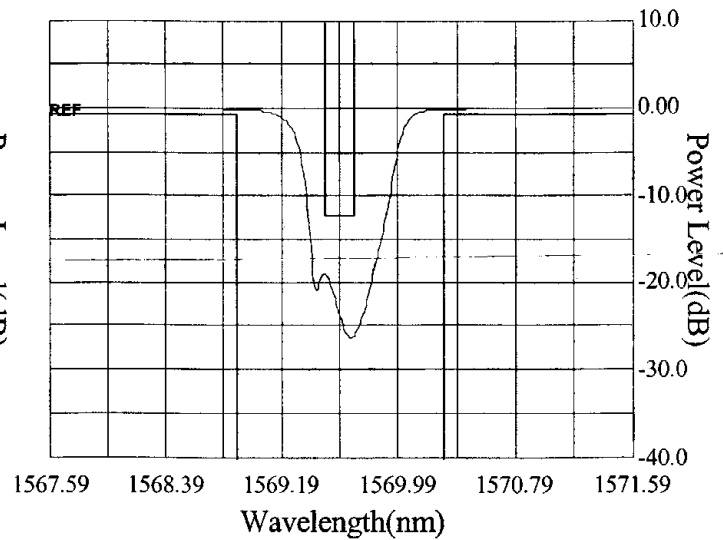
dB Down	WLLeft(nm)	WLRgt(nm)	BW(nm)	CW(nm)	Ripple(dB)
-0.40	1569.44	1569.86	0.31	1569.65	0.00

Passband Loss & Ripple (IL @ NominalWL 1569.59nm = -0.53dB)

ILLeft(dB)	ILRgt(dB)	ILMax(dB)	ILMin(dB)	Rpl(dB)	WLLft(nm)	WLRt(nm)
-0.65	-0.56	-0.65	-0.53	0.12	1569.49	1569.69

Adjacent Channel Isolation

IsoLeft(dB)	IsoRight(dB)	IsoMin(dB)	MinWL(nm)	WLLft(nm)	WLRt(nm)
-61	-44	-44	1568.88	1568.07	1568.88
-35	-79	-35	1570.30	1570.30	1571.14



Notch Performance Test

Center Wavelength & Bandwidth (down from Peak -0.09dB)

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)	WLRt(nm)
-19	-26	-19	1569.49	1569.49	1569.69

Adjacent Channel Insertion Loss & Ripple

ILLeft(dB)	ILRt(dB)	ILMax(dB)	ILMin(dB)	Rpl(dB)	WLLft(nm)	WLRt(nm)
-0.09	-0.16	-0.16	-0.09	0.08	1567.59	1568.88
-0.18	-0.10	-0.18	-0.09	0.09	1570.30	1571.59