



1865 Lundy Avenue, San Jose, CA 95131, U.S.A.
 Tel.: (408) 432-6300, Fax: (408) 432-8550, Web Site: www.e-tek.com

PRODUCT INSPECTION REPORT

Date: 26-Mar-01

Model No.	Serial No.	E-TEK Spec. Version	Customer Spec. Version	
FWDMA310SMN02	64924021	2.0	1.0(11/2/99)	
Device Schematic				
Device Performance @ 23°C		Test Result	Specification	
Pass Channel C ↔ P	Wavelength Range λ_P		1460.00 ~ 1500.00 nm	
	IL	@ 1480nm Max.	0.56 1.50 dB	
	Isolation	@ 1530nm Min.	63	45 dB
		@ 1560nm Min.	60	
	Isolation @ λ_R		Min. 57	45 dB
	Flatness		Max. 0.28	n/a dB
	PDL		Max. 0.01	0.10 dB
Directivity P → R		Min. 63	55 dB	
Reflection Channel C ↔ R	Wavelength Range λ_R		1529.90 ~ 1565.00 nm	
	IL	@ 1530nm Max.	0.32	0.60 dB
		@ 1560nm Max.	0.27	
	Isolation	@ 1480nm Min.	17	12 dB
	Isolation @ λ_P		Min. 15	12 dB
	Flatness		Max. 0.05	0.20 dB
	PDL		Max. 0.01	0.10 dB
Directivity R → P		Min. 70	55 dB	
Return Loss	Min.	C → C: 50 P → P: 54 R → R: 58	40 dB	
Device Packaging				
Fiber Type: Corning SMF-28, 250 μ m				
Connector: None				
Dimension: $\varnothing 5.5 \pm 0.2 \times 32 \pm 2$ mm	Fiber Length: >0.9m			
Attachment				
Spectrum Report (1 Page)				
Comment				
Customer P/N: V50017-Q670-K800				

Test by: TLS:1598, OSA:1598

Check by: _____





WDM Spectrum Performance Test Report

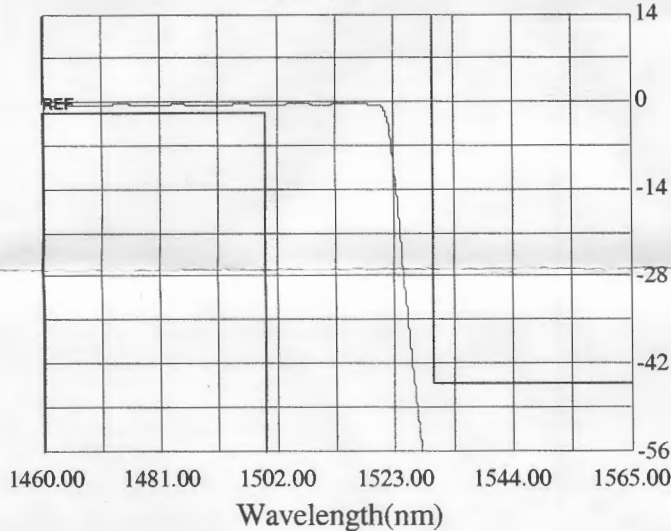
Report Date: 03/23/2001

Model #: FWDMA310SMN02
 Template: FWDMA310SMN02 2.0
 Travel Card #: w2475465
 Serial #: 64924021

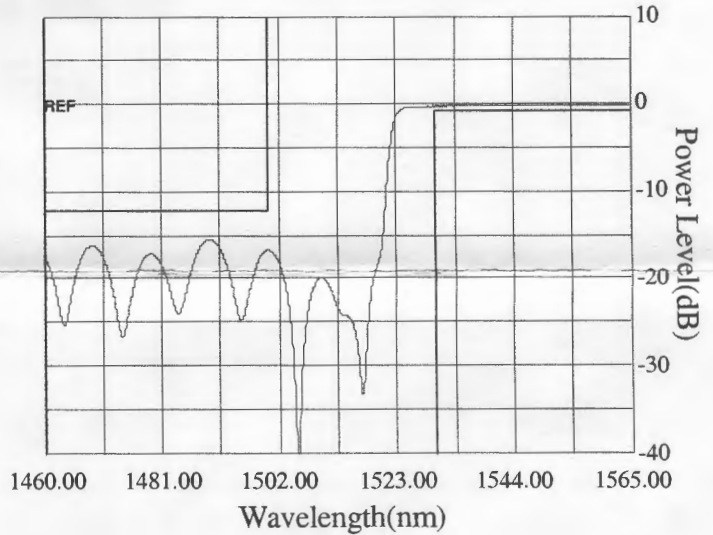
Test No: 1
 Temperature: 23.0
 Fail:
 Warning:

Operator: 1598
 Station: WDMTEST061
 Test Date: 03/23/2001
 Test Time: 09:37

SPFH1499



Bandpass Performance Test



Notch Performance Test

Center Wavelength & Bandwidth (down from PP -0.35dB)

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

Center Wavelength & Bandwidth (down from Peak -0.27dB)

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

Passband Loss & Ripple (IL @ NominalWL 1480.00nm = -0.56dB)

ILLft(dB)	ILRgt(dB)	ILMax(dB)	ILMin(dB)	Rpl(dB)	WLLft(nm)	WLRt(nm)
-0.60	-0.57	-0.66	-0.38	0.28	1460.00	1500.00

Drop Channel Isolation

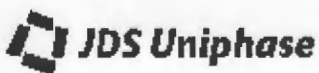
IsoLeft(dB)	IsoRight(dB)	IsoMin(dB)	MinWL(nm)	WLLft(nm)	WLRgt(nm)
-17	-16	-15	1489.52	1460.00	1500.00

Adjacent Channel Isolation

IsoLeft(dB)	IsoRight(dB)	IsoMin(dB)	MinWL(nm)	WLLft(nm)	WLRgt(nm)
-63	-60	-57	1539.80	1529.90	1565.00

Adjacent Channel Insertion Loss & Ripple

ILLft(dB)	ILRt(dB)	ILMax(dB)	ILMin(dB)	Rpl(dB)	WLLft(nm)	WLRt(nm)
-0.32	-0.27	-0.32	-0.27	0.05	1529.90	1565.00



Form-1571 Rv1.00 1/12/01

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