

<b><i>Inventory</i></b>					
<b>Item</b>	<b>Model number</b>	<b>Description</b>	<b>Quantity</b>	<b>Manufacturer</b>	<b>Quota (\$)</b>
<b>1).</b>	<b><i>New Optical Fiber</i></b>				
1	PM Panda Fiber	SM.13-P-7/125-UV/UV-400		Fujikura	
2	PM Panda Fiber	SM.15-P-8/125-UV/UV-400		Fujikura	
3	Er Dope Fiber (EDFA Fiber)	Er 105		INO	
4	Er Dope Fiber (EDFA Fiber)	Er 109		INO	
5	Er Dope Fiber (EDFA Fiber)	HE 980 Sm. X Spos, Red Tape		Lucent (OFS)	
6	Er Dope Fiber (EDFA Fiber)	MP 980		Lucent	
7	FS SMB-D0980-MCVD	SPEC 980 Coupler Fiber (Red Color)		Lucent	
8	Pore Mode HI 980	Hi Engineering Fiber		Corning	
9	Pore Mode HI1060	Hi Engineering Fiber		Corning	
10	Pore Mode HI1550	Hi Engineering Fiber		Corning	
11	LS-1550	LEAF Fiber		Corning	
<b>2).</b>	<b><i>Passive Components</i></b>				
1	CIR10BN32N	3 Port Mini Circulator		New Focus	
2	YC-1100-155	3 Port Mini Circulator		FDK	
3	WDM-2X2-1480/1590-0	1480/1590 WDM Coupler			
4	WDM-1X2-980/1590-0	980/1590 WDM Coupler			
5	980/1550WDM	980/1550 WDM Coupler			
6	1480/1550WDM	1480/1550 WDM Coupler			
7	PIC-2x2-1550-5/95-0	C-Band 5/95 Coupler			
8	PIC-2x2-1550-2/98-0	C-Band 2/98 Coupler			
9	FWSWY1H003203	1310/1480/1550 WDM		JDSUniphase	
10	CFOI100200CD112	Interleaver		Oplink	
11		Any Type Jumper			
12		1/99, 2/98, 5/95 Coupler			
13	ACWA108+1E NC	1x8 Splitter		JDSU	
14	MP012UPCP-2-G62/TCF-O.6M	MTP/MTP Transmitter Jumper		FiTel	

15	PIFIY110COR08-003	Single Stage Isolator		JDSU	
16	PIFIY210COR08-003	Dual Stage Isolator		JDSU	
17	ACISI+1P1.5NC	Intergrated Tap/Isolator		JDSU	
18	ASEF2C10JDS06-2	ASE Noise Rejection Filter		JDSU	
19	MOFIY2PYNTL	2 stage free space isolators		Fibx	
<b>3).</b>	<b><i>New Pump Laser Module</i></b>	<b><i>ASE/EDFA Laser</i></b>			
		<b><i>Pump Laser</i></b>			
1	Corning- Lasertron 980nm Pump Laser	480104365 QLM9S480-607 (130mw)		Lasertron	
2	Corning- Lasertron 980nm Pump Laser	480104364 QLM9S480-608 (140mw)		Lasertron	
3	SDLO-2564-145-GN	980nm Pump Laser (130mW)		JDSU	
4	SDLO-27-7602-200	980nm Pump Laser (180mW) (976nm)		JDSU	
5	SDLO-27-8000-220	980nm Pump Laser (200mW)		JDSU	
6	SDLO-16-6002-280	980nm Pump Laser (260mW)		JDSU	
7	NT8W3519	980 Pump Laser (976nm) 300mW		Nortel	
8	SDLO-4210	980nm Pump Laser (1000mW)		SDL	
9	1480nm Pump Laser	SLA5633-XC/JD1 (160mW)		Sumitomo	
10	Fitel 1480nm Pump Laser	FOL1402PLZ-317 (140mW)		Furukawa	
11	Fitel 1480nm Pump Laser	FOL1402PLF-517-1470 (160mW) /FBG		Furukawa	
12	Fitel 1480nm Pump Laser	FOL1402PMF-317 (160mW)		Furukawa	
		<b><i>Fiber Optical Amplifier</i></b>			
1	MGMFL-1AEC28	Full Band Line Amplifier(EDFA) 17dBm		Nortel, Bookham	
2	OA 500	Optical Amplifier		JDSU	
3	OA1510-ANS2	Optical Fiber Peramplifier		JDSU	
		<b><i>ASE / Broadband Laser Source</i></b>			
1	ASE-1550	BBS Broadband Source (C Band)		JDSUniphase	
2	ASE-1600	BBS Broadband Source (L Band)		JDSUniphase	
<b>4).</b>	<b><i>Active Components</i></b>	<b><i>Fiber Optical Transmitter/Transponder/Receiver</i></b>			
		<b><i>MODULATOR</i></b>			
1	SD-10-A	10 Gb/s-12.5 Gb/s Integrated Optic Intensity Modulator with Attenuator		Corning/OTI's	
2	10023707	OC-192 Modulator		JDSU	
3	10021758	Equalized Mach Zender		JDSU	
		<b><i>Optical Modulator Drive</i></b>			
1	H301-1110	Optical Modulator Drive		JDSU	
2	H301-2110	Optical Modulator Drive		JDSU	
3	WB258	Bandpass filter		Filtronic	

4	WB259	Bandpass filter		Filtronic	
5	WB260	OC-192 Receiver Clock Recovery Filter		Filtronic	
		<b>Laser Diode Module (C-Band)</b>			
1	E2505D33	1550nm DFB Laser Module (14-pin butterfly		Lucent	
2	1750A-C05-55-SC-10-B	C-BAND AWDM Laser Module (1533.47nm)		Agere	
3	FLD5F6CX-H	DWDM Laser Module		Fujitsu	
4	CQF915/1809	Source Laser DML1550, 2.5Gb/s 2.5mW 100KM)		JDSU	
5	CQF915/408	Source Laser DML1550, 2.5Gb/s 10mW 100KM)		JDSU	
6	CQF935/28	WDM Source Laser (SL<5 MHz, 10mW)		JDSU	
7	CQF413/408	2.5Gb/s 10mW, 100Km, Tuning 2x100Ghz		JDSU	
8	CQF975/208	Wavelength Monitor Laser (SL<5MHz,10mW)		JDSU	
9	CQF975/508	Wavelength Monitor Laser (SL<5MHz,20mW)		JDSU	
10	LNFE03YBE1UP	C-BAND PMF Laser Module (SL<1Mhz,20mW)		Panasonic	
11	D2304G	1310nm DFB Laser Module (14-pin butterfly)		Lucent	
12	M-372-20AS	1310nm DFB <b>Uncloer</b> Laser		Lucent	
13	SDT8008-TC-QN	1310nm DFB Optic Transmitter (OC48)		Sumitomo	
14	FLD3C5LKR/060	1310nm TO Uncloer Laser		Fujitsu	
15	FLD3F12JL/053	1310nm TO Uncloer Laser		Fujitsu	
16	SLT3120-XN/JD1	1310nm TO Uncloer Laser		Sumitomo	
		<b>10 Gbs 7 Pin Laser Diode Module</b>			
1	PGT20404 (ITU-T Grid)	OPT TRANSM:m DFB/EA, 10G, 1600ps/nm		Northlight Optronics	
2	PGT20456 (ITU-T Grid)	OPT TRANSM:m DFB/EA, 10G, 800ps/nm		Northlight Optronics	
3	FLD5F10NPR/057	1550nm Laser Diode		Fujitsu	
4	FLD5F20NPL-E30	1550nm Laser Diode		Fujitsu	
		<b>Receiver / Photodiode</b>			
1	FRM5N143DS/057	10 Gb/s Optical Receiver		Fujitsu	
2	ERM568DXCX	10 Gb/s SONET/SDH PIN-TIA High Gain Receiver		JDSU	
3	DSC40	10 Gb/s Wide Bandwidth InGaAs PIN Photodiodes		Discovery Semiconductors, Inc.	
4		LUCE 10 Gb/s Receiver		JDSU	
5	127M	InGaAs 2.5Gb/s APD		Agera, Lucent	
6	54RM-3G20	2.5Gb/s, MSA, 2R, PIN/APD		JDSU	
7	FRM3Z231KTS	2.5 Gb/s Per-Am Photodiode w/ SC Adapter		Fujitsu	
8	ETX 75 FITL (751664-000)	Photodiode		JDSU	
9	EPM605	Photodiode		JDSU	
10	EPM606	Photodiode		JDSU	
		<b>Tunable Filter</b>			
1	TB2500M-Z16	Tunable Fabry-Perot Etalon Filter		JDSUniphase	

2	TB45B+1SC	Tunable Filter		JDSUniphase	
		<b>Optical Switch</b>			
1	SN12-Z62	1x2 Latching Optical Switch		JDSUniphase	
2	CFSW2120S1100	1X2 Compact Fiberoptic Switch		E-TEK Dynamics	
		<b>Wavelength Locking Device</b>			
1	WL 5000 (50GHz)	Wavelength Locking Device		E-TEK	
2	FPWL2110CIS02-004 (100GHz)	Wavelength Locking Device		E-TEK	
		<b>Transponder/Transmitter</b>			
1	TA16L1CAA	2.5 Gb/s Transponder		Lucent	
2	TA16L2CAA	2.5 Gb/s Transponder		Lucent	
3	TA16LIWAA	2.5 Gb/s Transponder		Lucent	
4	TA16N1CAA	2.5 Gb/s Transponder		Lucent	
5	TA16S2CAA	2.5 Gb/s Transponder		Lucent	
6	XTA16B2C31	2.5 Gb/s Transponder		Lucent	
7	XTA16B2C55	2.5 Gb/s Transponder		Lucent	
8	XTA16L1CAA	2.5 Gb/s Transponder		Lucent	
9	XTA16N1CAA	2.5 Gb/s Transponder		Lucent	
10	XT64X0003			Lucent	
11	XT64X0005			Lucent	
12	X-C487Y (M-C488)			Lucent	
13	HFCT 5942L	1300nm Laser Prod (GBICs)		Agilent	
14	HFCT 5952TL	1300nm Laser Prod (GBICs)		Agilent	
15	HFBR 7828 RX	(GBICs)		Agilent	
16	HFCT-5402D	9948/TW-4561'08 (GBICs)		Agilent	
17	FTRJ-1320-3	1310nm		Finisar	
18	SDX-19-3-2-THL	MFD:1302		Stratos	
19	DTR-622-SM2-LS-A-L3-IR-M	TRANSCEIVER		OCP	
20	PL-RCP-00-SE3-0A			PicoLight	
21	V23815-U1306-M130	PAROL Rx AC/1.6GBd		Infineon	
22	V23826-H18-C363	633 MBd Transceiver 1300nm		Siemens	
23	CQF915/1829	2.5 Gb/s Transmitter Module (OC-48)		JDS Uniphase	
24	54TR-23314	1310nm		JDS Uniphase	
25	54TR-31114	1550nm (OC-48)		JDS Uniphase	
26	OC-192 Transponder	10Gb/s Transponder		JDS Uniphase	
27	TRV5939	OC-48 Light Transceiver		Hitachi	
28	TRV7050	OC-192 Light Transceiver		Hitachi	
29	TRV7050BA	OC-192 Light Transceiver		Opnext	

30	MDTL162EW4851-135	1535.04, 1536.61,1548.51,1551.72 (C33)		Nortel	
31	25XBO5S	OC-48 Light Transceiver		Mu	
32	21012918-000	10G COMPACT PIN (BKK)		JDS Uniphase	
33	1319MA	2.5 Gb/s Receiver		Agere	
		<b>CATV Transmitter Module/PCB</b>			
1		C-Band CATV Transmitter w/Modulator		JDSU	
2		CATV Transmitter PCB		JDSU	
<b>5).</b>	<b>Use Equipment</b>				
		<b>Tunable Laser Source</b>			
1	Agilent 8164A/86140A/Opt 072	Tunable Laser Source w/APC Connector		Agilent	
2	81689A	Tunable Laser Source Module		Agilent	
3	MG 9638A	Tunable Laser Source (1500-1580nm)		Anritsu	
4	MSLS-1000	Tunable Laser (1480-1675nm) 4 Ch		E-Tek	
		<b>Fusion Splicer</b>			
1	FSU 995 FA	Ericsson FSU 995 FA Fusion Splicer		Ericsson	
		<b>Fiber Optical Attenuator</b>			
1	HA097+28KSU1	Fiber Optical Attenuator		JDSUniphase	
2	HA97E+10KFP1	Fiber Optical Attenuator		JDSUniphase	
3	8156A Opt.121	HP 8156A Optical Attenuator 1310/1550 SM		HP	
		<b>Optical Spectrum Analyzer</b>			
1	81642A	HP 81642A Fiber Optical Spectrum Analyzer		HP	
2	MS9710B	Anritsu Fiber Optical Spectrum Analyzer		Anritsu	
1	8163A	Lightwave Multimeter (New)		Agilent	
2	8166A	Lightwave Multimeter System		Agilent	
3	81635A	Dual Channel Power Sensor		Agilent	
4	81521B	Agilent Power Head		Agilent	
5	81525A	Agilent Power Head		Agilent	
6	81553SM	1550nm Laser Source		Agilent	
7	81651A	1550nm Laser Source		Agilent	
8	81623A	Agilent Power Head		Agilent	
9	818-IR	Detectors		Newport	
10	818-IG	Detectors		Newport	
11	SOF-C	Laser Light Source (980nm)		SOF	
12	SOF-C	Laser Light Source (1480nm)		SOF	
13	SOF-C	Light Source (980, 1310, 1480, 1550nm)		SOF	
14	HP86120C	Wavelength Meter		Hewlet Packard	

15	PTR-200-ARL	Automatic Fiber Recoater		Vytran	
16	S321	Fiber Cleaver		FiTel	
17	UV Light Source	UV-Ultraviolet Light Source		Green Spot	
18	Newport 562	Newport 562-XYZ Stage 562 ULTRAlign		Newport	