

Materials List for:

Optimizing Brillouin Optical Time-Domain Analyzers Based on Gain Spectrum Engineering

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Materials

Name	Company	Catalog Number	Comments
Current controller for laser diode	ILX Lightwave	LDX3220	
Digitizer	Acqiris SA	U5309A-1039	
Erbium doped fiber amplifier 1	Photop	PTEDFA-A-PA-C-SCH-15	
Erbium doped fiber amplifier 2	LiComm	OFA-TCH	
Erbium doped fiber amplifier 3	Calmar Optcom	AMP-ST30	
Erbium doped fiber amplifier 4	Photop	PTEDFA-A-PA-C-SCH-15	
Fiber Bragg grating 1	Advanced Optics Solutions	T-FBG	
Fiber Bragg grating 2	Advanced Optics Solutions	T-FBG	
Fiber under test	ofs		
Isolator	General Photonics	S-15-NTSS	
Laser diode	3SP Group	A1905 LMI	
Mach-Zehnder modulator 1	Avanex	IM10	
Mach-Zehnder modulator 2	Avanex	IM10	
Mach-Zehnder modulator 3	Avanex	IM10	
Nanosecond driving board for semiconductor optical amplifier	Highland Technology	T160-9 (28A160-9C)	
Optical coupler 10:90	Newport		Benchtop coupler/WDM
Optical coupler 50:50	Newport		Benchtop coupler/WDM
Optical spectrum analyzer	Hewlett Packard	86145A	
Optical switch 1	JDSU	SN12-1075NC	
Photodiode	Thorlabs	D400FC	
Polarization scrambler	General Photonics	PSY-101	
Pulase generator	Hewlett Packard	8082A	
Radio function generator 1	Anritsu	MG3692C	
Radio function generator 2	Agilent Technology	E8257D	
Radio function generator 3	HTM	T2100	
Semiconductor optical amplifier	Thorlabs	SOA1013SXS	
Temperature controller for laser diode	ILX Lightwave	LDT5948	
Temperature controller for semiconductor optical amplifier	Tektronix	TED200	
Variable optical attenuator	JDSU	mVOA-A1	With optical switch function