

Serial Number
2F04EF1E

Part Number
792000922

Date
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Modulator Test Report

Parameters (1550nm)	Results
E/O bandwidth XI [GHz]	14.11
Vp Bias Electrode MZ-XI @ 1kHz [V]	7.28
Extinction ratio MZ-XI [dB]	29.41
E/O bandwidth XQ [GHz]	13.64
Vp Bias Electrode MZ-XQ @ 1kHz [V]	7.29
Extinction ratio MZ-XQ [dB]	37.97
E/O bandwidth YI [GHz]	12.82
Vp Bias Electrode MZ-YI @ 1kHz [V]	7.30
Extinction ratio MZ-YI [dB]	36.61
E/O bandwidth YQ [GHz]	12.68
Vp Bias Electrode MZ-YQ @ 1kHz [V]	7.27
Extinction ratio MZ-YQ [dB]	30.93
Vp Bias Electrode Phase X @ 1kHz [V]	6.91
Extinction ratio phase X [dB]	48.57
Responsivity Input referred PD X [mAW]	17.71
Vp Bias Electrode Phase Y @ 1kHz [V]	6.90
Extinction ratio phase Y [dB]	45.12
Responsivity input referred PD Y [mAW]	13.64
Insertion loss X+Y [dB]	7.85
Insertion loss X path [dB]	10.74
Insertion loss Y path [dB]	11.05
IL imbalance [dB]	0.31

Parameters (L band)	Results
Extinction ratio MZ-XI @ 1590nm [dB]	> 35
Extinction ratio MZ-XI @ 1610nm [dB]	28.08
Extinction ratio MZ-XQ @ 1590nm [dB]	26.02
Extinction ratio MZ-XQ @ 1610nm [dB]	24.65
Extinction ratio MZ-YI @ 1590nm [dB]	31.99
Extinction ratio MZ-YI @ 1610nm [dB]	23.66
Extinction ratio MZ-YQ @ 1590nm [dB]	28.61
Extinction ratio MZ-YQ @ 1610nm [dB]	26.25
Extinction ratio phase X @ 1590nm [dB]	29.47
Extinction ratio phase X @ 1610nm [dB]	30.40
Extinction ratio phase Y @ 1590nm [dB]	> 35
Extinction ratio phase Y @ 1610nm [dB]	> 35
Responsivity Input referred PD X @ 1610nm [mAW]	13.70
Responsivity Input referred PD Y @ 1610nm [mAW]	11.28
Insertion loss X+Y @ 1610nm [dB]	9.39
Insertion loss X path @ 1610nm [dB]	12.49
Insertion loss Y path @ 1610nm [dB]	12.32
Insertion loss X+Y @ 1590nm [dB]	8.66
Insertion loss X path @ 1590nm [dB]	11.70
Insertion loss Y path @ 1590nm [dB]	11.63

*Finished 12/3/13
Removed 12/17/13*