

Comparison of Modulation Formats @ 40/100 Gb/s

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Modulation Format Performance vs. NRZ	CS-RZ	ODB	DPSK	DQPSK	DPSK-RZ	DQPSK-RZ	Coherent Pol-mux QPSK
OSNR Sensitivity	Slightly Better	Slightly Worse	Much Better	Slightly Better	Much Better	Better	Best
CD Tolerance & Spectral Efficiency	Slightly Worse	Much Better	Slightly Better	Much Better	Slightly Worse	Much Better	Best
PMD Tolerance	Better	Equivalent	Slightly Better	Much Better	Better	Much Better	Best
Nonlinear Tolerance	Better	Equivalent	Better	Equivalent	Much Better	Equivalent	Slightly Worse
Cost & Complexity	Slightly Worse	Equivalent	Slightly Worse	Much Worse	Worse	Much Worse	Much Worse