

HSSG Fiber Optic Ad Hoc Proposals

Objective	λ	# Lanes	~Lane Rate (Gb/s)	Source	Mux	Grid
10km SMF	1550 nm	10	10	Cooled EML	DWDM	200 GHz G.694.1
	1550 nm	10	10	Un-cooled DML	CWDM	20 nm G.694.2
	1310 nm	5	20	Cooled EML	DWDM	200 GHz G.694.1
	1310 nm	5	20	Un-cooled DML/EML	CWDM	20 nm G.694.2
	1310 nm	4	25	Un-cooled DML/EML	CWDM	25 nm 802.3 LX-4 or 20 nm G.694.2
	1310 nm	2	50	DQPSK	Single λ	n/a

Objective	λ	# Lanes	~Lane Rate (Gb/s)	Source	Mux	Grid
10km SMF	1310 nm	5	20	Cooled DML	CWDM	20 nm G.694.2
	1310 nm	5	20	Cooled DML	DWDM	200 GHz G.694.1
	1550 nm	5	20	Cooled EML	DWDM	200 GHz G.694.1

HSSG Fiber Optic Ad Hoc Proposals (cont'd)

Objective	λ	# Lanes	~Lane Rate (Gb/s)	Source	Cable	Mux
100m MMF OM3	850 nm	12 (8B/10B)	10	VCSEL	MPO ribbon (12 x 2)	12xSDM
	850 nm	10 (64/66)	10	VCSEL	MPO ribbon (12 x 2)	10xSDM
	840/860 nm	10 (64/66)	10	VCSEL	MPO ribbon (12 x 1)	2xWDM and 5xSDM
	840/860 nm	12 (8B/10B)	10	VCSEL	MPO ribbon (12 x 1)	2xWDM and 6xSDM
	835/850/865 nm	12 (8B/10B)	10	VCSEL	MPO ribbon (12 x 1)	3xWDM and 4xSDM