



Transceivers

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SFP Transceivers

155Mbps

Part Number	Wavelength (nm) Typ.	Output Power (dBm)			Receiver Sensitivity (dBm)		Link Budget (dB)		Distance (km) Min	DFB/FP	Temp Range
		Min.	Typ.	Max.	Min.	Typ.	Min.	Typ.			
SFP-DR622-IR1	1310	-15	-11	-8	-28	-30	13	19	15	FP	C,T
SFP-155-LR1	1310	-5	-2.5	0	-34	-36	29	33.5	40	FP	C,T
SFP-155-LR2	1550	-5	-2.5	0	-34	-36	29	33.5	80	DFB	C

622Mbps

Part Number	Wavelength (nm) Typ.	Output Power (dBm)			Receiver Sensitivity (dBm)		Link Budget (dB)		Distance (km) Min	DFB/FP	Temp Range
		Min.	Typ.	Max.	Min.	Typ.	Min.	Typ.			
SFP-DR622-IR1	1310	-15	-11	-8	-28	-30	13	19	15	FP	C,T
SFP-622-LR1	1310	-3	0.5	2	-28	-30	25	30.5	40	FP	C,T
SFP-622-LR2	1550	-3	0.5	2	-28	-30	25	30.5	80	DFB	C

1250Mbps

Part Number	Wavelength (nm) Typ.	Output Power (dBm)			Receiver Sensitivity (dBm)		Link Budget (dB)		Distance (km) Min	DFB/FP	Temp Range
		Min.	Typ.	Max.	Min.	Typ.	Min.	Typ.			
SFP-1250-LX	1310	-9	-5	-3	-22	-24	13	19	10	FP	C,T
SFP-1250-ELX	1310	-7	-5	-3	-24	-26	17	21	25	FP	C,T
SFP-1250-XD	1550	-5	-2.5	0	-24	-26	19	23.5	50	DFB	C
SFP-1250-XD-CWDM	1xxx	-5	-2.5	0	-24	-26	19	23.5	50	DFB	C
SFP-1250-ZX	1550	0	2	5	-24	-26	24	28	80	DFB	C
SFP-1250-ZX-CWDM	1xxx	0	2	5	-24	-26	24	28	80	DFB	C
SFP-1250-EZX	1550	0	2	5	-32	-34	32	36	120	DFB	C
SFP-1250-EZX-CWDM	1xxx	0	2	5	-32	-34	32	36	120	DFB	C

2xFibreChannel

Part Number	Wavelength (nm) Typ.	Output Power (dBm)			Receiver Sensitivity (dBm)		Link Budget (dB)		Distance (km) Min	DFB/FP	Temp. Range
		Min.	Typ.	Max.	Min.	Typ.	Min.	Typ.			
SFP-2125-LX	1310	-9	-5	-3	-20	-22	11	17	2	FP	C,T

2488Mbps

Part Number	Wavelength (nm) Typ.	Output Power (dBm)			Receiver Sensitivity (dBm)		Link Budget (dB)		Distance (km) Min	DFB/FP	Temp Range
		Min.	Typ.	Max.	Min.	Typ.	Min.	Typ.			
SFP-2488-SR1	1310	-10	-6	-3	-20	-22	10	16	2	FP	C,T
SFP-2488-IR2	1550	-5	-2.5	0	-20	-22	15	19.5	50	DFB	C
SFP-2488-IR-CWDM	1xxx	-5	-2.5	0	-20	-22	15	19.5	50	DFB	C
SFP-2488-IR1	1310	-5	-2.5	0	-20	-22	15	19.5	15	DFB	C
SFP-2488-LR2	1550	-2	0.5	3	-28	-30	26	30.5	80	DFB	C
SFP-2488-LR1	1310	-2	0.5	3	-27	-29	25	29.5	50	DFB	C

100-2700Mbps/Multi-Rate

Part Number	Wavelength (nm) Typ.	Output Power (dBm)			Receiver Sensitivity (dBm)		Link Budget (dB)		Distance (km) Min	DFB/FP	Temp Range
		Min.	Typ.	Max.	Min.	Typ.	Min.	Typ.			
SFP-MR2700-SR1	1310	-10	-6	-3	-20	-22	10	16	2	FP	C,T
SFP-MR2700-IR2	1550	-5	-2.5	0	-20	-22	15	19.5	50	DFB	C
SFP-MR2700-EIR-CWDM	1xxx	0	2.5	5	-20	-22	20	24.5	60	DFB	C
SFP-MR2700-LR-CWDM	1xxx	-2	0.5	3	-28	-30	26	30.5	100	DFB	Cc

=Commercial Temperature (0 ° to 70 °)
T =Industrial Temperature Range (-40 ° to 85 °)



GBIC Transceivers

1250Mbps

Part Number	Wavelength (nm) Typ.	Output Power (dBm)			Min.Receiver Sensitivity (dBm)		Link Budget (dB)		Distance (km) Min	DFB/FP	Temp Range
		Min.	Typ.	Max.	Min.	Typ.	Min.	Typ.			
GBIC-1250-LX	1310	-9	-5	-3	-22	-24	13	19	10	FP	C,T
GBIC-1250-ELX	1310	-7	-5	-3	-24	-26	17	21	25	FP	C,T
GBIC-1250-XD	1550	-5	-2.5	0	-24	-26	19	23.5	50	DFB	C
GBIC-1250-XD-CWDM	1xxx	-5	-2.5	0	-24	-26	19	23.5	50	DFB	C
GBIC-1250-ZX	1550	0	2	5	-24	-26	24	28	80	DFB	C
GBIC-1250-ZX-CWDM	1xxx	0	2	5	-24	-26	24	28	80	DFB	C
GBIC-1250-EZX	1550	0	2	5	-32	-34	32	36	120	DFB	C
GBIC-1250-EZX-CWDM	1xxx	0	2	5	-32	-34	32	36	120	DFB	C

100-2700Mbps/Multi-Rate

Part Number	Wavelength (nm) Typ.	Output Power (dBm)			Min.Receiver Sensitivity (dBm)		Link Budget (dB)		Distance (km) Min	DFB/FP	Temp Range
		Min.	Typ.	Max.	Min.	Typ.	Min.	Typ.			
GBIC-MR2700-SR1	1310	-10	-6	-3	-20	-22	10	16	2	FP	C,T
GBIC-MR2700-IR2	1550	-5	-2	5	-20	-22	15	19.5	50	DFB	C
GBIC-MR2700-LR-CWDM	1xxx	-2	0	5	-28	-30	26	30.5	100	DFB	C
GBIC-MR2700-LR2	1550	-2	0	5	-28	-30	26	30.5	100	DFB	C

C = Commercial Temperature (0 ° to 70 °)
T = Industrial Temperature Range (-40 ° to 85 °)



XFP Transceivers

10Gbps

Part Number	Wavelength (nm) Typ.	Output Power (dBm)			Min. Receive Sensitivity (dBm)		Link Budget (dB)		SMF Fibre (km) Min	DFB/FP	Temp Range
		Min.	Typ.	Max.	Min.	Typ.	Min.	Typ.			
XFPS-IR1	1310	1	3.5	-11	-13	12	16	30	DFB	C	
XFPS-SR1	1310	-6	-3	-1	-11	-13	5	10	10	DFB	C
XFPS-VSR	1310	-6	-3	-1	-11	-13	5	10	0.6	FP	C
XFPG-L	1310	-6	-3	-1	-12.6 ^a	-	6.6	9.6	10	DFB	C

^a Receiver Sensitivity (max) in OMA
 C = Commercial Temperature (0 ° to 70 °)
 T = Industrial Temperature Range (-40 ° to 85 °)



Dual Fibre Transceivers 1x9

155Mbps 1x9

Part Number	Wavelength (nm) Typ.	Output Power (dBm)			Min.Receiver Sensitivity (dBm)		Link Budget (dB) Typ.	Distance (km)	DFB/FP	Temp Range
		Min.	Typ.	Max.	Min.	Typ.				
C-15-155-T-SSC	1550	-15	-11.5	-8	-34	-36	24.5	20	FP	C
C-13-155-T3-SSC3 (3.3V)	1310	-15	-11.5	-8	-34	-36	24.5	30	FP	C
C-13-155-T-SSC3	1310	-15	-11.5	-8	-34	-36	24.5	30	FP	C
C-13-155-T3-SSC3B (3.3V)	1310	-15	-11.5	-8	-34	-36	24.5	30	FP	T
C-13-155-T-SSC3B	1310	-15	-11.5	-8	-34	-36	24.5	30	FP	T
C-13-155-T-SSC5	1310	-5	-2.5	0	-35	-37	34.5	50	FP	C
C-13-155-T-SSC7B	1310	-3	0	3	-37	-39	39	70	FP	T
C-13-155-T-SSC9B	1310	0	2.5	5	-37	-39	41.5	90	FP	T
C-15-155-TDFB-SSC10	1550	-3	0	3	-37	-39	39	100	DFB	C

622Mbps 1x9

Part Number	Wavelength (nm) Typ.	Output Power (dBm)			Min.Receiver Sensitivity (dBm)		Link Budget (dB) Typ.	Distance (km)	DFB/FP	Temp Range
		Min.	Typ.	Max.	Min.	Typ.				
C-13-622-T3-SSC (3.3V)	1310	-15	-11.5	-8	-28	-30	18.5	15	FP	C
C-13-622-T-SSC	1310	-15	-11.5	-8	-28	-30	18.5	15	FP	C
C-13-622-T3-SSCB (3.3)	1310	-15	-11.5	-8	-28	-30	18.5	15	FP	T
C-13-622-T-SSCB	1310	-15	-11.5	-8	-28	-30	18.5	15	FP	T
C-13-622-TDFB3-SSC4 (3.3V)	1310	-3	-0.5	2	-28	-30	29.5	40	DFB	C
C-13-622-TDFB-SSC4	1310	-3	-0.5	2	-28	-30	29.5	40	DFB	C
C-15-622-TDFB3-SSC4 (3.3V)	1550	-3	-0.5	2	-28	-30	29.5	80	DFB	C
C-15-622-TDFB-SSC4	1550	-3	-0.5	2	-28	-30	29.5	80	DFB	C

1250Mbps 1x9

Part Number	Wavelength (nm) Typ.	Output Power (dBm)			Min.Receiver Sensitivity (dBm)		Link Budget (dB) Typ.	Distance (km)	DFB/FP	Temp Range
		Min.	Typ.	Max.	Min.	Typ.				
C-13-1250-T3-SSC (3.3V)	1310	-10	-6.5	-3	-20	-22	15.5	6	FP	C
C-13-1250-T-SSC	1310	-10	-6.5	-3	-20	-22	15.5	6	FP	C
C-13-1250-T3-SSCB (3.3V)	1310	-10	-6.5	-3	-20	-22	15.5	6	FP	T
C-13-1250-T-SSCB	1310	-10	-6.5	-3	-20	-22	15.5	6	FP	T
C-13-1250-T3-SSC2 (3.3V)	1310	-5	-2.5	0	-20	-22	19.5	10	FP	C
C-13-1250-T-SSC2	1310	-5	-2.5	0	-20	-22	19.5	10	FP	C
C-13-1250-TDFB3-SSC2 (3.3V)	1310	-5	-2.5	0	-22	-24	21.5	20	DFB	C
C-13-1250-TDFB-SSC2	1310	-5	-2.5	0	-22	-24	21.5	20	DFB	C
C-15-1250-TDFB3-SSC2 (3.3V)	1550	-5	-2.5	0	-22	-24	21.5	50	DFB	C
C-15-1250-TDFB-SSC2	1550	-5	-2.5	0	-22	-24	21.5	50	DFB	C
C-15-1250-TDFB3-SSC4 (3.3V)	1550	0	2.5	5	-20	-22	19.5	70	DFB	C
C-15-1250-TDFB-SSC4	1550	0	2.5	5	-20	-22	19.5	70	DFB	C

1250Mbps 1x9 CWDM

Part Number	Wavelength (nm) Typ.	Output Power (dBm)			Min.Receiver Sensitivity (dBm)		Link Budget (dB) Typ.	Distance (km)	DFB/FP	Temp Range
		Min.	Typ.	Max.	Min.	Typ.				
C-127-1250-TDFB3-SSC2 (3.3V)	1270-1610 (18 channel)	-5	-2.5	0	-22	-24	21.5	30	DFB	C
C-127-1250-TDFB-SSC2	1270-1610 (18 channel)	-5	-2.5	0	-22	-24	21.5	50	DFB	C

C =Commercial Temperature (0 ° to 70 °)
T =Industrial Temperature Range (-40 ° to 85 °)



Dual Fibre Transceivers SFF

155Mbps SFF

Part Number	Wavelength (nm) Typ.	Output Power (dBm)			Min.Receiver Sensitivity (dBm)		Link Budget (dB) Typ.	Distance (km)	DFB/FP	Temp Range
		Min.	Typ.	Max.	Min.	Typ.				
C-13-155-F-SLCA	1310	-19	-15.5	-12	-30	-32	16.5	20	FP	T
C-13-155-F-SLC3	1310	-15	-11.5	-8	-34	-36	24.5	30	FP	C
C-13-155-F-SLC3A	1310	-15	-11.5	-8	-34	-36	24.5	30	FP	T
C-13-155-F-SLC5	1310	-5	-2.5	0	-35	-37	34.5	50	FP	C
C-13-155-F-SLC7	1310	-3	-0.5	2	-36	-38	37.5	70	FP	C
C-13-155-F-SLC9	1310	0	2.5	5	-37	-39	41.5	90	FP	C

622Mbps SFF

Part Number	Wavelength (nm) Typ.	Output Power (dBm)			Min.Receiver Sensitivity (dBm)		Link Budget (dB) Typ.	Distance (km)	DFB/FP	Temp Range
		Min.	Typ.	Max.	Min.	Typ.				
C-13-622-F-SLC	1310	-15	-11.5	-8	-28	-30	18.5	15	FP	C
C-13-622-F-SLCA	1310	-15	-11.5	-8	-28	-30	18.5	15	FP	T
C-13-622-FDFB-SLC4	1310	-3	-0.5	2	-28	-30	29.5	40	DFB	C
C-15-622-FDFB-SLC4	1550	-3	-0.5	2	-28	-30	29.5	80	DFB	C

1250Mbps SFF

Part Number	Wavelength (nm) Typ.	Output Power (dBm)			Min.Receiver Sensitivity (dBm)		Link Budget (dB) Typ.	Distance (km)	DFB/FP	Temp Range
		Min.	Typ.	Max.	Min.	Typ.				
C-13-1250-F-SLC	1310	-10	-6.5	-3	-20	-22	15.5	6	FP	C
C-13-1250-F-SLCA	1310	-10	-6.5	-3	-20	-22	15.5	6	FP	T
C-13-1250-F-SLC2	1310	-5	-2.5	0	-22	-24	21.5	10	FP	C
C-13-1250-FDFB-SLC2	1310	-5	-2.5	0	-22	-24	21.5	20	DFB	C
C-15-1250-FDFB-SLC2	1550	-5	-2.5	0	-22	-24	21.5	50	DFB	C
C-15-1250-FDFB-SLC4	1550	0	2.5	5	-22	-24	26.5	70	DFB	C

1250Mbps SFF CWDM

Part Number	Wavelength (nm) Typ.	Output Power (dBm)			Min.Receiver Sensitivity (dBm)		Link Budget (dB) Typ.	Distance (km)	DFB/FP	Temp Range
		Min.	Typ.	Max.	Min.	Typ.				
C-127-1250-FDFB-SLC2	1275-1350 (4 channels)	-5	-2.5	0	-22	-24	21.5	30	DFB	C
C-147-1250-FDFB-SLC2	1270-1610 (18 channels)	-5	-2.5	0	-22	-24	21.5	50	DFB	C

C = Commercial Temperature (0 ° to 70 °)
T = Industrial Temperature Range (-40 ° to 85 °)



Single Fibre Transceivers

155Mbps 1x9

Part Number	Wavelength (nm) Typ.	Output Power (dBm)			Min.Receiver Sensitivity (dBm)		Link Budget (dB) Typ.	DFB/FP	Temp Range
		Min.	Typ.	Max.	Min.	Typ.			
B-13/15-155-TPM-SSC3-60	Tx 1310/Rx 1550	-14	-11.5	-8	-33	-35	23.5	FP	C
B-15/13-155-TPM-SSC3-60	Tx 1550/Rx 1310	-14	-11.5	-8	-33	-35	23.5	FP	C
B-13/15-155-T-SSC3	Tx 1310/Rx 1550	-14	-11.5	-8	-33	-35	23.5	FP	C
B-15/13-155-T-SSC3	Tx 1550/Rx 1310	-14	-11.5	-8	-33	-35	23.5	FP	C
B-13/15-155-T3-SSC4 (3.3V)	Tx 1310/Rx 1550	-8	-5	-3	-33	-35	30	FP	C
B-15/13-155-T3-SSC4	Tx 1550/Rx 1310	-8	-5	-3	-33	-35	30	FP	C
B-13/15-155-T3-SSC5 (3.3V)	Tx 1310/Rx 1550	-5	-3	0	-33	-35	32	FP	C
B-15/13-155-TDFB3-SSC5	Tx 1550/Rx 1310	-5	-3	0	-33	-35	32	DFB	C

622Mbps 1x9

Part Number	Wavelength (nm) Typ.	Output Power (dBm)			Min.Receiver Sensitivity (dBm)		Link Budget (dB) Typ.	DFB/FP	Temp Range
		Min.	Typ.	Max.	Min.	Typ.			
B-13/15-622-TPM-SSC-60	Tx 1310/Rx 1550	-15	-11.5	-8	-28	-30	18.5	FP	C
B-15/13-622-TDPM-SSC-60	Tx 1550/Rx 1310	-15	-11.5	-8	-28	-30	18.5	DFB	C

1.25Gbps 1x9

Part Number	Wavelength (nm) Typ.	Output Power (dBm)			Min.Receiver Sensitivity (dBm)		Link Budget (dB) Typ.	DFB/FP	Temp Range
		Min.	Typ.	Max.	Min.	Typ.			
B-13/15-1250-TPM-SSC-60	Tx 1310/Rx 1550	-10	-7	-4	-22	-24	17	FP	C
B-15/13-1250-TDPM-SSC-60	Tx 1550/Rx 1310	-10	-7	-4	-22	-24	17	FPC	C

155Mbps SFF

Part Number	Wavelength (nm) Typ.	Output Power (dBm)			Min.Receiver Sensitivity (dBm)		Link Budget (dB) Typ.	DFB/FP	Temp Range
		Min.	Typ.	Max.	Min.	Typ.			
B-13/15-155-F-SSC3	Tx 1310/Rx 1550	-15	-11.5	-8	-33	-35	23.5	FP	C
B-15/13-155-F-SSC3	Tx 1550/Rx 1310	-15	-11.5	-8	-33	-35	23.5	FP	C
B-13/15-155-F-SSC4	Tx 1310/Rx 1550	-8	-5	-3	-33	-35	30	FP	C
B-15/13-155-F-SSC4	Tx 1550/Rx 1310	-8	-5	-3	-33	-35	30	FP	C

C = Commercial Temperature (0 ° to 70 °)
T = Industrial Temperature Range (-40 ° to 85 °)