

SFP Module Brief Data Sheet

Megatel offers reliable, affordable and compatible SFP transceiver modules for 155Mbps, 622Mbps, 1.25Gbps, 2.5Gbps and 10Gbps respectively. They meet industrial standards and are 100% compatible with Cisco. We can also provide other brands compatible modules, Industrial grade modules and/or SC connector modules at customers' special request. For WDM or Bi-directional modules, we also have Tx1310nm/Rx1490nm and Tx1490nm/Rx1310nm modules at your request, and transmission distance is up to 200Km. Our standard warranty is 3 years starting from the shipping date.

Megatel Part Number	Data Rate	Wavelength	Distance	Package	Temp.	Source	Min. Output (dBm)	Sensitivity (dBm)	Power Budget (dB)
10/100/1000BASE-T Copper SFP Transceiver									
SFP-RJ45	10/100/1000	0.1 (UTP-5)		SFP	0-70				
SFP 155Mbps Module With DDM									
SFP-155M-MM	155M	MM 850nm	2KM	SFP	0-70	850nm VCSEL	-8~-4	≤-26	18-22
SFP-155M-LC02	155M	MM 1310nm	2KM	SFP	0-70	FP(LED)+PIN	-20~-14	≤-32	12-18
SFP-155M-LC10	155M	1310	10KM	SFP	0-70	FP+PIN	-15~-8	≤-32	17-24
SFP-155M-LC20	155M	1310	20KM	SFP	0-70	FP+PIN	-15~-8	≤-32	17-24
SFP-155M-LC40	155M	1310	40KM	SFP	0-70	FP+PIN	-5~-0	≤-34	29-34
SFP-155M-LC80	155M	1550	80KM	SFP	0-70	DFB+PIN	-5~-0	≤-34	29-34
SFP-155M-LC20WA	155M	1310/1550	0-20km	SFP	0-70	FP+PIN	-15~-8	≤-32	17-24
SFP-155M-LC20WB	155M	1550/1310	0-20km	SFP	0-70	FP+PIN	-15~-8	≤-32	17-24
SFP-155M-LC40WA	155M	1310/1550	40KM	SFP	0-70	FP+PIN	-5~-0	≤-34	29-34
SFP-155M-LC40WB	155M	1550/1310	40KM	SFP	0-70	DFB+PIN	-5~-0	≤-34	29-34
SFP-155M-LC60WA	155M	1310/1550	60KM	SFP	0-70	DFB+PIN	-2~-+3	≤-34	32-37
SFP-155M-LC60WB	155M	1550/1310	60KM	SFP	0-70	DFB+PIN	-2~-+3	≤-34	32-37
SFP-155M-LC80WA	155M	1310/1550	80KM	SFP	0-70	DFB+PIN	-5~-0	≤-34	29-34
SFP-155M-LC80WB	155M	1550/1310	80KM	SFP	0-70	DFB+PIN	-5~-0	≤-34	29-34
SFP 622Mbps WITH DDM									
SFP-622M-LC20	622M	1310	20KM	SFP	0-70	FP+PIN	-15~-8	≤-28	17-24
SFP-622M-LC40	622M	1310	40KM	SFP	0-70	DFB+PIN	-3~-+2	≤-28	25-30
SFP-622M-LC80	622M	1550	80KM	SFP	0-70	DFB+PIN	-3~-+2	≤-28	25-30
SFP 1.25Gbps WITH DDM									
SFP-SX-MM	1.25G	MM 850nm	550M	SFP	0-70	VSCEL+PIN	-8~-4	≤-20	12-16
SFP-MM-LC02	1.25G	MM 1310nm	2Km	SFP	0-70	FP(LED)+PIN	-8~-4	≤-23	12-18
SFP-LX-LC20	1.25G	1310	20KM	SFP	0-70	FP+PIN	-8~-4	≤-25	17-21
SFP-LH-LC40	1.25G	1310	40KM	SFP	0-70	DFB+PIN	-2~-+3	≤-25	23-28
SFP-ZX-LC80	1.25G	1550	80KM	SFP	0-70	DFB+PIN	0~-+5	≤-25	25-30
SFP-EX-LC120	1.25G	1550	120KM	SFP	0-70	DFB+APD	0~-+5	≤-32	32-37
SFP-1.25G-LC160	1.25G	1550	160KM	SFP	0-70	DFB+APD	0~-+5	≤-35	35-40
SFP-1.25G-LC200	1.25G	1550	200KM	SFP	0-70	DFB+APD	0~-+7	≤-38	38-45
SFP-BX-LC10WA	1.25G	1310/1550	10KM	SFP	0-70	FP+PIN	-8~-4	≤-25	17-21
SFP-BX-LC10WB	1.25G	1550/1310	10KM	SFP	0-70	DFB+PIN	-8~-4	≤-25	17-21
SFP-BX-LC20WA	1.25G	1310/1550	20KM	SFP	0-70	FP+PIN	-8~-4	≤-25	17-21
SFP-BX-LC20WB	1.25G	1550/1310	20KM	SFP	0-70	DFB+PIN	-8~-4	≤-25	17-21
SFP-BX-LC20A	1.25G	1310/1490	20KM	SFP	0-70	FP+PIN	-8~-4	≤-25	17-21
SFP-BX-LC20B	1.25G	1490/1310	20KM	SFP	0-70	DFB+PIN	-8~-4	≤-25	17-21
SFP-BX-LC40WA	1.25G	1310/1550	40KM	SFP	0-70	DFB+PIN	-2~-+3	≤-25	23-28
SFP-BX-LC40WB	1.25G	1550/1310	40KM	SFP	0-70	DFB+PIN	-2~-+3	≤-25	23-28
SFP-BX-LC40A	1.25G	1310/1490	40Km	SFP	0-70	DFB+PIN	-2~-+3	≤-25	23-28
SFP-BX-LC40B	1.25G	1490/1310	40Km	SFP	0-70	DFB+PIN	-2~-+3	≤-25	23-28
SFP-BX-LC60WA	1.25G	1310/1550	60KM	SFP	0-70	DFB+PIN	-2~-+3	≤-25	23-28
SFP-BX-LC60WB	1.25G	1550/1310	60KM	SFP	0-70	DFB+APD	-2~-+3	≤-25	23-28
SFP-BX-LC80A	1.25G	1490/1550	60Km	SFP	0-70	DFB+PIN	-2~-+3	≤-25	23-28
SFP-BX-LC80B	1.25G	1550/1490	60Km	SFP	0-70	DFB+PIN	-2~-+3	≤-25	23-28
SFP-BX-LC80A	1.25G	1490/1550	80KM	SFP	0-70	DFB+PIN	0~-+5	≤-25	25-30
SFP-BX-LC80B	1.25G	1550/1490	80KM	SFP	0-70	DFB+PIN	0~-+5	≤-25	25-30
SFP-BX-LC100A	1.25G	1490/1550	100KM	SFP	0-70	DFB+APD	0~-+5	≤-32	32-37
SFP-BX-LC100B	1.25G	1550/1490	100KM	SFP	0-70	DFB+APD	0~-+5	≤-32	32-37
SFP-BX-LC120A	1.25G	1490/1550	120Km	SFP	0-70	DFB+APD	0~-+5	≤-34	34-36
SFP-BX-LC120B	1.25G	1550/1490	120Km	SFP	0-70	DFB+APD	0~-+5	≤-34	34-36
SFP-BX-LC160A	1.25G	1490/1550	160Km	SFP	0-70	DFB+APD	0~-+5	≤-36	36-38
SFP-BX-LC160B	1.25G	1550/1490	160Km	SFP	0-70	DFB+APD	0~-+5	≤-36	36-38
SFP 2.5Gbps WITH DDM									
SFP-2.5G-MM	2.125G/2.5G	850	300M	SFP	0-70	VSCEL+PIN	-8~-4	≤-18	10-14
SFP-2.5G-LC02	2.125G/2.5G	1310	2KM	SFP	0-70	FP+PIN	-8~-4	≤-19	11-15
SFP-2.5G-LC20	2.125G/2.5G	1310	20KM	SFP	0-70	DFB+PIN	-5~-0	≤-20	15-20
SFP-2.5G-LC40	2.125G/2.5G	1310	40KM	SFP	0-70	DFB+APD	-2~-+3	≤-27	25-30
SFP-2.5G-LC60	2.125G/2.5G	1550	60KM	SFP	0-70	DFB+APD	-2~-+3	≤-27	25-30
SFP-2.5G-LC80	2.125G/2.5G	1550	80KM	SFP	0-70	DFB+APD	0~-+5	≤-27	27-32
SFP-2.5G-LC120	2.125G/2.5G	1550	120KM	SFP	0-70	DFB+APD	0~-+5	≤-27	27-32
CWDM SFP (1.25G-2.5G) with DDM, XXXX=1470nm, 1490nm or 1610nm									
CWDM-1.25G-XXXX-LC40	1.25G	(1470-1610nm)	40km	SFP	0-70	DFB+PIN	-2~-+3	≤-25	23-28
CWDM-1.25G-XXXX-LC60	1.25G	(1470-1610nm)	60km	SFP	0-70	DFB+PIN	-2~-+3	≤-25	23-28
CWDM-1.25G-XXXX-LC80	1.25G	(1470-1610nm)	80km	SFP	0-70	DFB+APD	0~-+5	≤-32	32-37
CWDM-1.25G-XXXX-LC120	1.25G	(1470-1610nm)	120km	SFP	0-70	DFB+APD	0~-+5	≤-32	32-37
CWDM-2.5G-XXXX-LC40	2.5G	(1470-1610nm)	40km	SFP	0-70	DFB+PIN	-2~-+3	≤-20	18-23
CWDM-2.5G-XXXX-LC80	2.5G	(1470-1610nm)	80km	SFP	0-70	DFB+APD	0~-+5	≤-27	27-32
XFP - 10G									
XFP-10G-SR-LC300M	10G	850	300M	XFP	0-70	VSCEL+PIN	-1~-6	<-11.5	10.5-5.5
XFP-10G-LR-LC10	10G	1310	10KM	XFP	0-70	DML+PIN	-1~-6	<-14.5	13.5-8.5
XFP-10G-ER-LC40	10G	1550	40KM	XFP	0-70	EML+PIN	-1~-2	<-16	15-18
XFP-10G-ZR-LC80	10G	1550	80KM	XFP	0-70	EML+APD	0~-4	<-24	24-28
XFP-10G-LR-LC10A	10G	1270/1330	10KM	XFP	0-70	DFB+PIN	-7~-0.5	≤-14.4	13.5-16
XFP-10G-LR-LC10B	10G	1330/1270	10KM	XFP	0-70	DFB+PIN	-7~-0.5	≤-14.4	13.5-16

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Megatel							Min. Output	Sensitivity	Power Budget
Part Number	Data Rate	Wavelength	Distance	Package	Temp.	Source	(dBm)	(dBm)	(dB)
XFP-10G-LX-LC20A	10G	1270/1330	20Km	XFP	0-70	DFB+PIN	-7~-0.5	≤-14.4	13.5-16
XFP-10G-LX-LC20B	10G	1330/1270	20Km	XFP	0-70	DFB+PIN	-7~-0.5	≤-14.4	13.5-16
XFP-10G-ER-LC40A	10G	1270/1330	40Km	SFP+	0-70	DFB+PIN	-2~-3	<-16	15.5-18
XFP-10G-ER-LC40B	10G	1330/1270	40Km	SFP+	0-70	DFB+PIN	-2~-3	<-16	15.5-18
SFP+ 10G									
SFP+10G-SR-LC300M	10G	850	300M	SFP+	0-70	VSCEL+PIN	-1~-6.5	<-12	11~-5.5
SFP+10G-LR-LC10	10G	1310	10KM	SFP+	0-70	DFB+PIN	-6~-0.5	<-14.5	13.5-5.5
SFP+10G-LX-LC20	10G	1310	20Km	SFP+	0-70	DFB+PIN	-4~-0.5	<-14.5	13.5-5.5
SFP+10G-ER-LC40	10G	1550	40KM	SFP+	0-70	EML+PIN	-1~-2	<-17	15-18
SFP+10G-ZR-LC80	10G	1550	80KM	SFP+	0-70	EML+APD	1-4	<-24	24-28
SFP+10G-LR-LC10A	10G	1270/1330	10KM	SFP+	0-70	DFB+PIN	-7~-0.5	≤-14.4	13.5-16
SFP+10G-LR-LC10B	10G	1330/1270	10KM	SFP+	0-70	DFB+PIN	-7~-0.5	≤-14.4	13.5-16
SFP+10G-LX-LC20A	10G	1270/1330	20Km	SFP+	0-70	DFB+PIN	-7~-0.5	≤-14.4	13.5-16
SFP+10G-LX-LC20B	10G	1330/1270	20Km	SFP+	0-70	DFB+PIN	-7~-0.5	≤-14.4	13.5-16
SFP+10G-ER-LC40A	10G	1270/1330	40Km	SFP+	0-70	DFB+PIN	-2~-3	<-16	15.5-18
SFP+10G-ER-LC40B	10G	1330/1270	40Km	SFP+	0-70	DFB+PIN	-2~-3	<-16	15.5-18
SFP+10G-ZR-LC80A	10G	1270/1330	60Km	SFP+	0-70	DFB+PIN	0~3	<-20	18-22
SFP+10G-ZR-LC80B	10G	1330/1270	60Km	SFP+	0-70	DFB+PIN	0~3	<-20	18-22
CWDM-XFP 10G, XXXX=1470nm to 1610nm or 1270 to 1330nm									
CWDM-XFP-10G-xxxx-LC10	10G	(1270-1330nm)	10KM	CWDM XFP	0-70	DFB+PIN	-1~-6	<-14.5	13.5-8.5
CWDM-XFP-10G-xxxx-LC40	10G	(1470-1610nm)	40KM	CWDM XFP	0-70	EML+PIN	-1~-2	<-17	15-18
CWDM-XFP-10G-xxxx-LC80	10G	(1470-1610nm)	80KM	CWDM XFP	0-70	EML+APD	0-4	<-24	24-28
CWDM-SFP+ 10G, XXXX=1470nm to 1610nm or 1270 to 1330nm									
CWDM-SFP+10G-xxxx-LC10	10G	(1270-1330nm)	10KM	CWDM SFP+	0-70	DFB+PIN	-6~-0.5	<-14.4	8.4-14.9
CWDM-SFP+10G-xxxx-LC40	10G	(1470-1610nm)	40KM	CWDM SFP+	0-70	EML+PIN	-1~-3	<-16	15-18
CWDM-SFP+10G-xxxx-LC80	10G	(1470-1610nm)	80KM	CWDM SFP+	0-70	EML+APD	0-4	<-24	24-28
DWDM SFP+ 100mhz C-band									
DWDM-SFP+10G-xxxx-LC40	10G	C-Band	40KM	DWDM SFP+	0-70	EML+PIN	-1~-3	<-16	15-18
DWDM-SFP+10G-xxxx-LC80	10G	C-Band	80KM	DWDM SFP+	0-70	EML+APD	0-4	<-24	24-28
DWDM XFP									