

## Fiber Optic Transceivers

### Fast Ethernet Series



Multi-Mode



Single-Mode

Model Name	LM38-A3S-TI-N	LS38-A3S-TI-N	AFBR-5715ALZ
Part Number	50708051G	50709431G	50710361G
<b>Detailed Specifications</b>			
Data Rate (Mbps)	155	155	1250
Wavelength (nm)	1310	1310	850
Light Source	LED	FP	VCSEL
Media Type	Multi-Mode	Single-Mode	Multi-Mode
Tx Power (dBm)	-20~-14@62/125µm	-15~-8 @ 9/125 µm	-9.5~-3
Rx Sensitivity (dBm)	-31 Max	-34 Max	-17 Max
Link budget (dBm)	11	19	7.5
Saturation (dBm)	-8	0	-3
Distance	2km	30km	10km
Operating Temp.	-40°C~85°C	-40°C~85°C	-40°C~85°C
Safety	UL/TUV	UL/TUV	UL/TUV

### Gigabit Ethernet Series

Model Name	LM28-C3S-TI-N	LM38-C3S-TI-N	LS38-C3S-TI-N	LS38-C3L-TI-N	AFCT-5715ALZ
Part Number	50708031G	50709411G	50709391G	50709441G	50710351G
<b>Detailed Specifications</b>					
Data Rate (Mbps)	1250	1250	1250	1250	1250
Wavelength (nm)	850	1310	1310	1310	1310
Light Source	VCSEL	FP	FP	DFB	
Media Type	Multi-Mode	Multi-Mode	Single-Mode	Single-Mode	Single-Mode
Tx Power (dBm)	- 9.5~- 4 @50/125 or 62.5/125µm	- 9 ~ - 1 @50/125 or 62.5/125µm	-9.5 ~ -3 @ 9/125 µm	-4 ~ +1 @ 9/125 µm	-9.5~-3
Rx Sensitivity (dBm)	-18 Max	-19 Max	-20 Max	-24 Max	-19 Max
Link budget (dBm)	8.5	10	10.5	20	9.5
Saturation (dBm)	0	-1	-3	-3	-3
Distance	550m	2km	10km	30km	10km
Operating Temp.	-20°C~85°C	-40°C~85°C	-40°C~85°C	-40°C~85°C	-40°C~85°C
Safety	UL/TUV	UL/TUV	UL/TUV	UL/TUV	UL/TUV

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V0.6

## 10 Gigabit Ethernet Series

Model Name	LM28-H3S-TI-N	LE38-H3S-TI-N	LE48-H3L-TI-N
Part Number	50710061G	522LE38H3S0001G	522LE48H3L0001G
<b>Detailed Specifications</b>			
Data Rate (Mbps)	10000	10000	10000
Wavelength (nm)	850	1310	1550
Media Type	Multi-Mode	Single-Mode	Single-Mode
Tx Power (dBm)	- 7.1 ~ - 1 @50/125 or 62.5/125µm fiber	-6~0.5	-4.7~4
Rx Sensitivity (dBm)	-9.9 Max	-14.4 Max	-15.8 Max
Linkbudget (dBm)	2.8	8.4	11.1
Saturation (dBm)	-1	0.5	4
Distance	33M (OM1 Fiber) 82M (OM2 Fiber) 300M (OM3 Fiber)	10km	40km
Operating Temp.	-10°C~85°C	-40°C~85°C	-40°C~85°C
Safety	UL/TUV	UL/TUV	UL/TUV

## Copper to Fiber Optic Transceivers



Type	Fast-Ethernet	Gigabit Auto-Neg.
Model Name	AOPT-SFP-8008I	FCLF8522P2BTL
Part Number	522SFP8008I0001G	522FCLF8522001G
<b>Detail Spec</b>		
Data Rate (Mbps)	10/100 Mbps	10/100/1000 Mbps
Auto-Negotiation	Yes	Yes
Interface	SERDES	SGMII
Power Supply	3.3V	3.3V
Lan Cable Cat	Over Cat5	Over Cat5
Operating Temp.	-40°C~85°C	-40°C~85°C
Safety	-	UL/TUV