

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
Detailed Specifications			
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
Detailed Specifications					
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

Atop Technologies, Inc.

TEL : +886-3-5508137 FAX: +886-3-5508131

sales@atop.com.tw

http://www.atop.com.tw



Design and specification are subjected to change without notice.

All product names referenced herein are registered trademarks of their respective companies.

V0.4

Model Name	LM28-H3S-TI-N	LS38-H3S-TI-N-EX	LS48-H3L-TI-N	LS48-H3U-TI-N
Part Number	50710061G	50710071G	50710081G	50710091G
Detailed Specifications				
Data Rate (Mbps)	10000	10000	10000	10000
Wavelength (nm)	850	1310	1550	1550
Light Source	VCSEL	FP	EML	EML
Media Type	Multi-Mode	Single-Mode	Single-Mode	Single-Mode
Tx Power (dBm)	- 7.1 ~ - 1 @50/125 or 62.5/125µm fiber	-6~0.5	-4.7~4	0~4
Rx Sensitivity (dBm)	-9.9 Max	-14.4 Max	-15.8 Max	-23 Max
Linkbudget (dBm)	2.8	8.4	11.1	23
Saturation (dBm)	-1	0.5	4	4
Distance	33M (OM1 Fiber) 82M (OM2 Fiber) 300M (OM3 Fiber)	10km	40km	80km
Operating Temp.	-10°C~85°C	-40°C~85°C	-40°C~85°C	-40°C~85°C
Safety	UL/TUV	UL/TUV	UL/TUV	UL/TUV

Copper to Fiber Optic Transceivers



Type	Fast-Ethernet	Gigabit Auto-Neg.	Gigabit Ethernet
Model Name	SFP-T1	ASFPT-T3-I	ASFPT-T1-I
Part Number	522SFPT1000001G	522ASFPTT3I001G	522ASFPTT1I001G
Detail Spec			
Data Rate (Mbps)	10/100 Mbps	10/100/1000 Mbps	1000 Mbps
Auto-Negotiation	Yes	Yes	No
Interface	MII	SGMII	-
Power Supply	3.3V	3.3V	3.3V
Lan Cable Cat	Over Cat5	Over Cat5	Over Cat5
Operating Temp.	0°C~70°C	-40°C~85°C	-40°C~85°C
Safety	UL/TUV	UL/TUV	UL/TUV