

Fiber Optic Solutions for Networking and Industrial Applications



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Your Imagination, Our Innovation
Sense • Illuminate • Connect

Avago Technologies offers a broad range of semiconductor products for your specific networking application.

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Networking and storage are key enablers of today's modern vision of a connected world. As the world's leading provider of fiber optic components, Avago Technologies offers the broadest portfolio of transceivers on the market today. Avago's fiber optic solutions provide comprehensive coverage, superior performance and lowest total cost of ownership for the fast-growing number of applications in the automotive, enterprise, industrial control, metro, and storage markets. In the area of networking solutions for enterprise and storage, Avago's technical expertise establishes it as a true innovator. For industrial applications, Avago leverages its high-volume, low-cost manufacturing capabilities and ability to deliver high quality products to provide customers a range of fiber optic transmitters, receivers and transceivers. Avago's expertise in fiber optics lends itself in support of metro applications via the SONET-compliant family of products.

Through the years Avago has built a strong reputation for uncompromising product quality and reliability, responsiveness to customer needs and technical innovation. Its patented manufacturing capabilities, along with its worldwide sales and support staff, offer outstanding flexibility in satisfying customers needs. Coupled with its key component multisourcing, capacity and strong supply chain, Avago offers the industry's best assurance of supply. Whether in China, Europe or the United States, Avago provides unmatched service and delivery of lot sizes, ranging from one to over a million, to its customers around the globe.



Parallel Optic Solutions

QSFP Transceivers and Active Optical Cables

	Part Number	Package	Media Type	Reach	Voltage Supply (V)	Case Temperature Range	Connector	Module Type
Infiniband 10G IB QSFP-QSFP 850nm VCSEL	AFBR-79Q4xACyyZ	QSFP AOC	Multi-mode	Varies to 100m	3.3V	0 to 70°C	N/A	Pluggable
Infiniband 4ch @ 10Gb/s per channel 850nm VCSEL	AFBR-79Q4Z	QSFP	Multi-mode	100m	3.3V	0 to 70°C	MTP	Pluggable
	AFBR-79Q4Z-D	QSFP	Multi-mode	100m	3.3V	0 to 70°C	MTP	Pluggable
Infiniband 4ch @ 5Gb/s per channel 850nm VCSEL	AFBR-79Q5Z	QSFP	Multi-mode	100m	3.3V	0 to 70°C	MTP	Pluggable
	AFBR-79Q5Z-D	QSFP	Multi-mode	100m	3.3V	0 to 70°C	MTP	Pluggable

40 GbE QSFP Transceivers and Active Optical Cables

	Part Number	Package	Media Type	Reach	Voltage Supply (V)	Case Temperature Range	Connector	Module Type
Ethernet 4ch @ 10Gb/s per channel 850nm VCSEL	AFBR-79E4Z	QSFP	Multi-mode	100m	3.3V	0 to 70°C	MTP	Pluggable
	AFBR-79E4Z-D	QSFP	Multi-mode	100m	3.3V	0 to 70°C	MTP	Pluggable
	AFBR-79E4PACYYZ	QSFP	Multi-mode	100m	3.3V	0 to 70°C	MTP	Pluggable

4-Channel Parallel Optic Transceivers

	Part Number	Package	Media Type	Reach	Voltage Supply (V)	Case Temperature Range	Connector	Module Type
Infiniband 4ch @ 2.7 Gb/s per channel 850nm VCSEL	HFBR-7924xxWZ	POP 4	Multi-mode	300m	3.3V	0 to 70°C	MTP	Pluggable
Proprietary / Xaui 4ch @ 2.7 Gb/s per channel 850nm VCSEL	HFBR-7934xxWZ	POP 4	Multi-mode	150m	3.3V	0 to 70°C	MTP	Pluggable

Parallel Optic Solutions

12-Channel Parallel Optic Transmitters and Receivers

	Part Number	Package	Media Type	Reach	Voltage Supply (V)	Case Temperature Range	Connector	Module Type
Infiniband /Proprietary 12ch @ 10 Gb/s per channel 850nm VCSEL	AFBR-810BEPZ	PPOD	Multi-mode	50m	3.3V	0 to 80°C	MTP	Pluggable
	AFBR-820BEPZ	PPOD	Multi-mode	50m	3.3V	0 to 80°C	MTP	Pluggable
Proprietary / Xaui 12ch @ 6.25 Gb/s per channel 850nm VCSEL	AFBR-776BxxZ	PPOD	Multi-mode	100m	3.3V	0 to 80°C	MTP	Pluggable
	AFBR-786BxxZ	PPOD	Multi-mode	100m	3.3V	0 to 80°C	MTP	Pluggable
Infiniband 12ch @ 5 Gb/s per channel 850nm VCSEL	AFBR-775BxxZ	PPOD	Multi-mode	100m	3.3V	0 to 80°C	MTP	Pluggable
	AFBR-785BxxZ	PPOD	Multi-mode	100m	3.3V	0 to 80°C	MTP	Pluggable
Infiniband/Proprietary 12ch @ 2.7 Gb/s per channel 850nm VCSEL	HFBR-779BxxWZ	SNAP 12	Multi-mode	100m	3.3V	0 to 70°C	MTP	Pluggable
	HFBR-789BxxZ	SNAP 12	Multi-mode	100m	3.3V	0 to 70°C	MTP	Pluggable
Infiniband 12ch @ 2.5 Gb/s per channel 850nm VCSEL	HFBR-772BxxWZ	SNAP 12	Multi-mode	300m	3.3V	0 to 70°C	MTP	Pluggable
	HFBR-782BxxZ	SNAP 12	Multi-mode	300m	3.3V	0 to 70°C	MTP	Pluggable
Infiniband 12ch @ 2.5 Gb/s per channel 850nm VCSEL	AFBR-732BxxWZ	SNAP 12	Multi-mode	50m	3.3V	0 to 70°C	MTP	Pluggable
	AFBR-742BxxZ	SNAP 12	Multi-mode	50m	3.3V	0 to 70°C	MTP	Pluggable

Ethernet Solutions

Fast Ethernet Transmitters and Receivers

	Temp	Voltage	Package	Connector	Pin-Out	Standard RoHS Part Number*		Legacy Part Number	
						Transmitter	Receiver	Transmitter	Receiver
125 MBd Fast Ethernet/FDDI 820nm LED (Multi-Mode) (≤2.7km)	-40 to +85°C	5V	Simplex	ST	2x4	HFBR-14X4Z	HFBR-24XXZ	HFBR-14X4	HFBR-24XX
				SMA	2x4				
				SC	2x4				
				FC	2x4				
125 MBd Fast Ethernet/FDDI 1300 nm LED (Multi-Mode) (≤2km)	0 to +70°C	5V	Simplex	ST	2x8	HFBR-1115TZ	HFBR-2115TZ	-	-

* For new designs, Avago Technologies recommends using the RoHS parts. Legacy parts will undergo obsolescence

Fast Ethernet Transceivers

	Part Number	Package	Media Type	Reach	Voltage Supply (V)	Case Temperature Range	Connector	Module Type
Ethernet 100 Mb/s 1310mm LED	AFBR-5103xxZ	1x9	Multi-mode	2km	5V	Various	SC	1x9
	AFBR-5803xxxZ	1x9	Multi-mode	2km	3.3 / 5V	Various	Various	1x9
	AFBR-5903xZ	SFF	Multi-mode	2km	3.3V	Various	MTRJ	2x5
	HFBR-57E0xxZ	SFP	Multi-mode	2km	3.3V	Various	LC	Pluggable
	HFBR-5961xxZ	SFF	Multi-mode	2km	3.3V	Various	LC	2x5
	HFBR-5963xxZ	SFF	Multi-mode	2km	3.3V	Various	LC	2x5
Ethernet 100 Mb/s 1310mm FP Laser	AFCT-5179xZ	1x9	Multi-mode	2km	3.3 / 5V	Various	SC	1x9
	AFCT-5971xxZ	SFF	Multi-mode	2km	3.3V	Various	LC	2x5
SONET / SDH 155 Mb/s 1310mm LED	HFBR-57E0xxZ	SFP	Multi-mode	2km	3.3V	Various	LC	Pluggable
Fast Ethernet 100 Mb/s 1300nm LED	HFBR-57E5APZ	SFP	Multi-mode	2km	3.3V	-40 to +85°C	LC	Pluggable

650nm Industrial Fast Ethernet Transceiver

Temp	Voltage	Package	Data Rate	Reach		Connector	Pin-Out	Standard RoHS Part Number
				POF	HCS			
-25 to +85°C	3.3V	Duplex	125 MBd	50m	100m	SC-RJ**	2x6	AFBR-5978Z (with DMI)

** AFBR-5978Z is compatible with the SC-RJ Connecting System from Reichle & De-Massari AG, Switzerland

Ethernet Solutions

Gigabit Ethernet Transceivers

	Part Number	Package	Media Type	Reach	Voltage Supply (V)	Case Temperature Range	Connector	Module Type
Ethernet 1 Gb/s	ABCU-5700RZ	SFP	Copper	100m	3.3V	0 to 70°C	RJ-45	Pluggable
	ABCU-5710RZ	SFP	Copper	100m	3.3V	0 to 70°C	RJ-45	Pluggable
Ethernet 1 Gb/s 850nm VCSEL	AFBR-53D5xZ	1x9	Multi-mode	550m	5V	0 to 70°C	SC	1x9
	AFBR-5601Z	GBIC	Multi-mode	550m	5V	0 to 70°C	SC	Pluggable
	AFBR-5710xxZ	SFP	Multi-mode	550m	3.3V	Various	LC	Pluggable
	AFBR-5715xxZ	SFP	Multi-mode	550m	3.3V	Various	LC	Pluggable
	HFBR-53A5VxMZ	1x9	Multi-mode	550m	3.3V	0 to 70°C	SC	1x9
	HFBR-5911LZ	SFF	Multi-mode	550m	3.3V	0 to 70°C	LC	2x5
	HFBR-5912EZ	SFF	Multi-mode	550m	3.3V	0 to 70°C	MTRJ	2x5
	HFBR-59L1ALZ	SFF	Multi-mode	550m	3.3V	-10 to 85°C	LC	2x5
Ethernet / Fibre Channel 1 Gb/s 850nm VCSEL	AFBR-5701xxZ	SFP	Multi-mode	550m	3.3V	Various	LC	Pluggable
	AFBR-5705xxZ	SFP	Multi-mode	550m	3.3V	Various	LC	Pluggable
Ethernet / Fibre Channel 2.125 Gb/s 850nm VCSEL	AFBR-57M5APZ	SFP	Multi-mode	550m	3.3V	-10 to 85°C	LC	Pluggable
Ethernet 1 Gb/s 1310nm FP Laser	AFCT-5611Z	GBIC	Single-mode	10km	5V	0 to 70°C	SC	Pluggable
	AFCT-5710xxZ	SFP	Single-mode	10km	3.3V	Various	LC	Pluggable
	AFCT-5715xxZ	SFP	Single-mode	10km	3.3V	Various	LC	Pluggable
Ethernet / Fibre Channel 1 Gb/s 1310nm FP Laser	AFCT-5701xxZ	SFP	Single-mode	10km	3.3V	Various	LC	Pluggable
	AFCT-5705xxZ	SFP	Single-mode	10km	3.3V	Various	LC	Pluggable
Ethernet 1 Gb/s 1550nm DFB Laser	AFCT-57V6xSZ	SFP	Single-mode	40km and 80km	3.3V	-10 to 85°C	LC	Pluggable

Ethernet Solutions

10 Gigabit Ethernet Transceivers

	Part Number	Package	Media Type	Reach	Voltage Supply (V)	Case Temperature Range	Connector	Module Type
Ethernet / FCoE 10 Gb/s 850nm VCSEL	AFBR-703xSxDZ	SFP+	Multi-mode	300m	3.3 V	Various	LC	Pluggable
Ethernet / FCoE 10 Gb/s 850nm VCSEL	AFBR-704SDZ	SFP+	Multi-mode	100m	3.3 V	0 to 70°C	LC	Pluggable
Ethernet 10 Gb/s 1310nm FP Laser	AFBR-707xSDZ	SFP+	Multi-mode	220M	3.3 V	Various	LC	Pluggable
	HFBR-707x2DEM	X2	Multi-mode	220M	3.3 V	0 to 70°C	MTP	Pluggable
	HFBR-707x2DEM	X2	Multi-mode	220M	3.3 V	0 to 70°C	MTP	Pluggable
Ethernet 10 Gb/s 850nm VCSEL	AFBR-720XPDPZ	XFP	Multi-mode	300m	3.3 V	0 to 70°C	LC	Pluggable
	HFBR-700x2DM	X2	Multi-mode	300m	3.3 V	0 to 70°C	SC	Pluggable
Ethernet / FCoE 10 Gb/s 1310nm DFB Laser	AFCT-701xSxDZ	SFP+	Single-mode	10km	3.3 V	Various	LC	Pluggable
Ethernet 10 Gb/s 1310nm DFB Laser	AFCT-721XPDPZ	XFP	Single-mode	10km	3.3 V	-5 to 70°C	LC	Pluggable
SONET / SDH 9.95 Gb/s 1310nm DFB Laser	AFCT-711XPDPZ	XFP	Single-mode	10km	3.3 V	-5 to 70°C	LC	Pluggable

Storage Solutions

ESCON/SBCON Storage Transceivers

	Part Number	Package	Media Type	Reach	Voltage Supply (V)	Case Temperature Range	Connector	Module Type
ESCON / SBCON 200 Mb/s 1310nm LED	AFBR-5930Z	SFF	Multi-mode	2km	3.3V	0 to 70°C	MT-RJ	2x5
	HFBR-5320Z	ESCON	Multi-mode	2km	5V	0 to 70°C	ESCON	4x7
	HFBR-5984LZ	SFF	Multi-mode	2km	3.3V	0 to 70°C	LC	2x5
Fibre Channel 266 Mb/s 1310nm LED	AFBR-5302Z	1x9	Multi-mode	1.5km	5V	0 to 70°C	SC	1x9

1 Gigabit Storage Transceivers

	Part Number	Package	Media Type	Reach	Voltage Supply (V)	Case Temperature Range	Connector	Module Type
Fibre Channel 1.06 Gb/s 850nm VCSEL	AFBR-53B3EZ	1x9	Multi-mode	500m	5V	0 to 70°C	SC	1x9
	AFBR-53D3xZ	1x9	Multi-mode	500m	5V	0 to 70°C	SC	1x9
	HFBR-53A3VFMZ	1x9	Multi-mode	500m	3.3V	0 to 70°C	SC	1x9

Storage Solutions

2 Gigabit Storage Transceivers

	Part Number	Package	Media Type	Reach	Voltage Supply (V)	Case Temperature Range	Connector	Module Type
Fibre Channel 2.125 / 1.06 Gb/s 850nm VCSEL	AFBR-57M5APZ	SFP	Multi-mode	300m at 2.125 GBd	3.3V	-10 to 85°C	LC	Pluggable
Fibre Channel 2.125 / 1.06 Gb/s 850nm VCSEL	AFBR-5921ALZ	SFF	Multi-mode	300m at 2.125 Gb/s	3.3V	-10 to 85°C	LC	2x5
	AFBR-59M5LZ	SFF	Multi-mode	300m at 2.125 Gb/s	3.3V	-10 to 85°C	LC	2x6
Fibre Channel 2.125 / 1.06 Gb/s 1310nm FP Laser	AFCT-57M5ATPZ	SFP	Single-mode	300m at 2.125 GBd	3.3V	-10 to 85°C	LC	Pluggable

4 Gigabit Storage Transceivers

	Part Number	Package	Media Type	Reach	Voltage Supply (V)	Case Temperature Range	Connector	Module Type
Fibre Channel 4.25 / 2.125 / 1.06 Gb/s 850nm VCSEL	AFBR-57R5AxZ	SFP	Multi-mode	150m at 4.25 GBd	3.3V	-10 to 85°C	LC	Pluggable
	AFBR-57R6AxZ	SFP	Multi-mode	150m at 4.25 GBd	3.3V	-10 to 85°C	LC	Pluggable
	AFBR-59R5xLZ	SFF	Multi-mode	150m at 4.25 GBd	3.3V	Various	LC	2x7
Fibre Channel 4.25 / 2.125 / 1.06 Gb/s 1310nm Various	AFCT-57R5xxPZ	SFP	Single-mode	4km, 10km and 30km at 4.25 Gb/s and	3.3V	-10 to 85°C	LC	Pluggable

8 Gigabit Storage Transceivers

	Part Number	Package	Media Type	Reach	Voltage Supply (V)	Case Temperature Range	Connector	Module Type
Fibre Channel 8.5 / 4.25 / 2.125 Gb/s 850nm VCSEL	AFBR-57D7APZ	SFP+	Multi-mode	50m at 8.5 GBd	3.3V	-10 to 85°C	LC	Pluggable
Fibre Channel 8.5 / 4.25 / 2.125 Gb/s 1310nm DFB Laser	AFCT-57D5AxPZ	SFP+	Single-mode	10km and 25km	3.3V	-10 to 85°C	LC	Pluggable

10 Gigabit Storage Transceivers

	Part Number	Package	Media Type	Reach	Voltage Supply (V)	Case Temperature Range	Connector	Module Type
Ethernet / FCoE 10 Gb/s 850nm VCSEL	AFBR-703xSxDZ	SFP+	Multi-mode	300m	3.3 V	Various	LC	Pluggable
Ethernet / FCoE 10 Gb/s 1310nm DFB Laser	AFCT-701xSxDZ	SFP+	Single-mode	10km	3.3 V	Various	LC	Pluggable
Ethernet 10 Gb/s 1310nm DFB Laser	AFCT-721XPDZ	XFP	Single-mode	10km	3.3 V	-5 to 70°C	LC	Pluggable

Base Station Solutions

OBSAI/CPRI Optical Transceivers

	Part Number	Package	Media Type	Reach	Voltage Supply (V)	Case Temperature Range	Connector	Module Type
Base Station 3.072 / 2.4576 Gb/s 850nm VCSEL	AFBR-57J5APZ	SFP	Multi-mode	500m	3.3V	-40 to 85°C	LC	Pluggable
Base Station 7.37 / 6.14 Gb/s 850nm VCSEL	AFBR-57J7APZ	SFP	Multi-mode	300m	3.3V	-40 to 85°C	LC	Pluggable
Base Station 3.072 / 2.4576 Gb/s 1310nm DFB Laser	AFCT-57J5ANPZ	SFP	Single-mode	40km	3.3V	-40 to 85°C	LC	Pluggable
Base Station 3.072 / 2.4576 Gb/s 1310nm FP Laser	AFCT-57J5APZ	SFP	Single-mode	8km	3.3V	-40 to 85°C	LC	Pluggable
Base Station 7.37 / 6.14 Gb/s 1310nm DFB Laser	AFCT-57J5ATPZ	SFP	Single-mode	20km	3.3V	-40 to 85°C	LC	Pluggable
	AFCT-57J7ATPZ	SFP	Single-mode	20km	3.3V	-40 to 85°C	LC	Pluggable

Metro Network Solutions

OC-3/SONET/SDH Transceivers

	Part Number	Package	Media Type	Reach	Voltage Supply (V)	Case Temperature Range	Connector	Module Type
SONET / SDH 155 Mb/s 1310nm LED	AFBR-5205xxZ	1x9	Multi-mode	2km	5V	Various	SC	1x9
	AFBR-5805xxZ	1x9	Multi-mode	2km	5V	Various	SC	1x9
	AFBR-5905xZ	SFF	Multi-mode	2km	5V	Various	MTRJ	2x5
	HFBR-57E0xxZ	SFP	Multi-mode	2km	3.3V	Various	LC	Pluggable
	HFBR-5961xLZ	SFF	Multi-mode	2km	3.3V	Various	LC	2x5
	HFBR-5963xLZ	SFF	Multi-mode	2km	3.3V	Various	LC	2x5
SONET / SDH 155 Mb/s 1310nm LED	AFCT-5760xxxZ	SFP	Single-mode	2km, 15km and 40km	3.3V	Various	LC	Pluggable
	AFCT-5765xxxZ	SFP	Single-mode	2km, 15km and 40km	3.3V	Various	LC	Pluggable
SONET / SDH 155 Mb/s 1310nm FP Laser	AFCT-5805xZ	1x9	Single-mode	15km	3.3 / 5V	Various	SC	1x9
SONET / SDH 155 Mb/s 1310nm FP Laser	AFCT-5815xZ	1x9	Single-mode	40km	3.3 / 5V	Various	SC	1x9
SONET / SDH 155 Mb/s 1310nm FP Laser	AFCT-5961xxxZ	SFF	Single-mode	40km	3.3V	Various	LC	2x5
	AFCT-5962xxxZ	SFF	Single-mode	40km	3.3V	Various	LC	2x10
	AFCT-5963xxxZ	SFF	Single-mode	40km	3.3V	Various	LC	2x5
	AFCT-5964xxxZ	SFF	Single-mode	40km	3.3V	Various	LC	2x10

Metro Network Solutions

OC-12/SONET/SDH Transceivers

	Part Number	Package	Media Type	Reach	Voltage Supply (V)	Case Temperature Range	Connector	Module Type
SONET / SDH 622 Mb/s 1310nm FP Laser	AFCT-5750xxxZ	SFP	Single-mode	2km and 15km	3.3V	Various	LC	Pluggable
	AFCT-5755xxxZ	SFP	Single-mode	2km and 15km	3.3V	Various	LC	Pluggable
SONET / SDH 622 Mb/s 1310nm LED	HFBR-5208xxxZ	1x9	Multi-mode	500m	5V	Various	SC	1x9

OC-12/SONET/SDH Transceivers

	Part Number	Package	Media Type	Reach	Voltage Supply (V)	Case Temperature Range	Connector	Module Type
SONET / SDH 2.488 Gb/s 1310nm FP Laser	AFCT-5745xPZ	SFP	Multi-mode	2km	3.3V	Various	LC	Pluggable
SONET / SDH 2.488 Gb/s Various DFB Laser	AFCT-5745xxxZ	SFP	Multi-mode	15km, 40km and 80km	3.3V	Various	LC	Pluggable
SONET / SDH 2.488 Gb/s 1310nm FP Laser	AFCT-5942xxxZ	SFF	Multi-mode	2km and 15km	3.3V	Various	LC	2x10
	AFCT-5943xxxZ	SFF	Multi-mode	2km and 15km	3.3V	-40 to 85°C	LC	2x5
	AFCT-5944xxxZ	SFF	Multi-mode	2km and 15km	3.3V	-40 to 85°C	LC	2x10

OC-192/SONET/SDH Transceivers

	Part Number	Package	Media Type	Reach	Voltage Supply (V)	Case Temperature Range	Connector	Module Type
SONET / SDH 9.95 Gb/s 1310nm DFB Laser	AFCT-711XPDZ	XFP	Single-mode	10km	3.3V	-5 to 70°C	LC	Pluggable

Industrial Networking Solutions

Fiber Optic Transmitters/Receivers for Automotive Networking (MOST)

Part Number	Package	Function	Wavelength	VR (max)	Operating Temperature	Pin Count	Mounting
ODINMIT402	CMOS IC	Emitter	650 nm	6 V	-40 to +95°C	4 Pins	THT
ODINMIR402	CMOS IC	Receiver	650 nm		-40 to +95°C	4 Pins	THT

Industrial Networking Solutions

Fiber Optic Transmitters/Receivers for Industrial Networking (Sercos-Profibus-Interbus-S)

Data Rate	Reach		Application Note	Connector	Package	Standard RoHS Part Number *	
	POF	HCS				Transmitter	Receiver
DC - 2MBd	50m	400m		SMA	Plastic	HFBR-1505CZ	HFBR-2505CZ
	50m	400m		SMA	Metal	HFBR-1505CFZ	HFBR-2502CFZ
DC - 2MBd	20m			SMA	Plastic	HFBR-1604Z	HFBR-2602Z
						HFBR-1602Z	HFBR-2602Z
DC - 10MBd	40m	200m	AN1080	SMA	Plastic	HFBR-1505AZ	HFBR-2505AZ
					Metal	HFBR-1505AFZ	HFBR-2505AFZ
				ST	Plastic	HFBR-1515BZ	HFBR-2515BZ
					Metal	HFBR-1515BFZ	HFBR-2515BFZ
DC - 16MBd	45m	200m	AN5006	SMA	Metallized Plastic	HFBR-1506AMZ	HFBR-2506AMZ
					Metal	HFBR-1506AFZ	HFBR-2506AFZ

Fiber Optic Transceivers for Industrial Networking (10/100 Ethernet)

Part Number	Package	Data Rate	Function	Wavelength	Reach		Operating Temperature	Pin Count	Mounting
					POF	HCS			
AFBR-5798Z	SC-RJ	10/100Mbps	Tx/Rx with DMI	650nm	50m	100m	-20 to +85C	2x6 Pins	THT
SPFEIM100_G	CMOS IC	100Mbps	Transmit/Receive	650nm	50m	N/A	0 to 70C	8 Pins	THT
HFBR-57E5APZ	SFP LC	100Mbps	Tx/Rx with DMI	1310nm	2000m (MM Fiber)		-40 to +85C	Pluggable	SFP

Fiber Optic Transmitters/Receivers for General Purpose Applications

Data Rate	Reach		Application Note	Connector/Package	Operating Temperature	Standard RoHS Part Number *	
	POF	HCS				Transmitter	Receiver
DC - 15kBd	50m		AN5431	2 or 3 Pin Insert	40 - + 80C	SFH757	SFH350
			AN5342	Connectorless		SFH757V	SFH350V
DC - 1MBd	45m		AN1035	Versatile Link	0 - 70C	HFBR-1522Z	HFBR-2522Z
						HFBR-1532Z	HFBR-2532Z
DC - 40kBd	110m		AN1035	Versatile Link	0 - 70C	HFBR-1523Z	HFBR-2523Z
						HFBR-1533Z	HFBR-2533Z
DC - 1MBd	10m		AN1035	Versatile Link	0 - 70C	HFBR-1524Z	HFBR-2524Z
						HFBR-1534Z	HFBR-2534Z
DC - 5MBd	20m		AN1035	Versatile Link	0 - 70C	HFBR-1521Z	HFBR-2521Z
						HFBR-1531Z	HFBR-2531Z
	45m		AN5431 AN5342	2 or 3 Pin Insert	40 - + 80C	SFH757	SFH551/1-1
				Connectorless		SFH757V	SFH551/1V-1
DC - 10MBd	40m	300m	AN1080	Versatile Link	0 - 70C	HFBR-1528Z	HFBR-2528Z
DC - 32MBd	40m	1000m	AN1121	Versatile Link	0 - 70C	HFBR-1527Z HFBR-1537Z	HFBR-2526Z HFBR-2536Z
32MBd	75m	400m	AN1066				
55MBd	60m	240m	AN1066				
100MBd	50m		AN5431 AN5342	2 or 3 Pin Insert	40 - + 80C	SFH757	SFH250
				Connectorless		SFH757V	SFH250V
125MBd	30m	100m	AN1066	Versatile Link	0 - 70C	HFBR-1527Z HFBR-1537Z	HFBR-2526Z HFBR-2536Z
160MBd (N.A.= 0.375)	50m	50m	AN1123				

* For new designs, Avago Technologies recommends using RoHS parts. Legacy parts will undergo obsolescence.

RoHS-Compliant Fiber Optic Transceivers

Elimination of hazardous materials from products, and in turn the environment, has become a global initiative. In answer to this demand, Avago Technologies offers a broad portfolio of Restriction of Hazardous Substances (RoHS)-compliant fiber optic transceiver solutions. These environmentally friendly transceivers offer the same functionality, performance, quality, and reliability that are characteristic of Avago Technologies' world-leading fiber-optic components. The use of new non-lead based processes and materials in solder finishes and printed circuit board (PCB) assembly make them fully compliant with the requirements of the RoHS directive. Rigorous testing procedures ensure the performance integrity of Avago Technologies' portfolio of fiber optic transceivers; regardless of the materials and processes employed.

About Avago Technologies

Avago Technologies is a leading supplier of analog interface components for communications, industrial and consumer applications. By leveraging its core competencies in III-V compound and silicon semiconductor design and processing, the company provides an extensive range of analog, mixed signal and optoelectronics components and subsystems to more than 40,000 customers. Backed by strong customer service support, the company's products serve four diverse end markets: industrial and automotive, wired infrastructure, wireless communications, and computer peripherals. Avago has a global employee presence and heritage of technical innovation dating back 40 years to its Hewlett-Packard roots. Information about Avago is available on the Web at www.avagotech.com

For product information and a complete list of distributors, please go to our web site:

www.avagotech.com
www.avagotech.com/fiber

For technical support please email a Technical Response Center in your region:

United States: support@avagotech.com

Europe: info@promotionteam.de

Asia Pacific: pacrim.components@avagotech.com

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