

Fiber Optic Transceiver GBIC Gigabit Ethernet, 550 m reach, 850 nm



## FOX-GBIC-GE-85-SX

### Features

- Operating Data Rate up to 1.25Gbps
- Distance Range 550m
- Pluggable GBIC with Duplex SC Connector
- Standard Operating Temperature
- MSA Compliant

### Applications

- GBE Links
- Enterprise Networks
- FTTx
- Legacy Switches

### Description

The Show Me Cables FOX-GBIC-GE-85-SX is an GBIC form-factor transceiver, supporting Gigabit Ethernet data rates. The Show Me Cables FOX-GBIC-GE-85-SX features a 850 nm transmitter and supports 550 m links over multimode fiber. The FOX-GBIC-GE-85-SX is an MSA-compliant transceiver, compatible with most switch and router platforms. The Show Me Cables FOX-GBIC-GE-85-SX GBIC transceiver is one of thousands of fiber optic connectivity products available from Show Me Cables in-stock and ready to ship. Contact our knowledgeable technical support and sales staff for your answers on fiber optic connectivity or other Show Me Cables products.

### Configuration

Connector 1	SC
Connector Mode	Duplex
Compatibility	MSA

### Filter Specifications

Description	Minimum	Typical	Maximum	Units
TX Center Wavelength	830	850	860	nm
TX Data Rate		1.25		Gbps
TX Spectral Width			0.85	nm
TX Average Output Power	-9.5		-3	dBm
TX Extinction Ratio	9			dB
RX Center Wavelength	1,100		1,600	nm
RX Receiver Sensitivity	-17			dBm
RX Receiver Overload			-3	dBm

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[Fiber Optic Transceiver GBIC Gigabit Ethernet, 550 m reach, 850 nm](#)

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**Table A.2: GBIC pin usage, style 1 or style 2 balanced cable connectors,**

Pin Name	Pin #	Description	Pin Name	Pin #	Description
RX_LOS	1	Receiver Loss of Signal	RGND	11	GND
RGND	2	GND	-RX_DAT	12	- RX, ext. connector***
RGND	3	GND	+RX_DAT	13	+ RX, ext. connector***
MOD_DEF(0)	4	NC	RGND	14	GND
MOD_DEF(1)	5	NC	V <sub>DDR</sub>	15	V <sub>DDR</sub> or NC
MOD_DEF(2)	6	TTL LOW from GBIC	V <sub>DDT</sub>	16	V <sub>DDT</sub>
TX_DISABLE	7	Transmitter Disable	TGN	17	GND
TGND	8	GND	+TX_DAT	18	+ TX, ext. connector**
TGND	9	GND	-TX_DAT	19	- TX, ext. connector**
TX_FAULT	10	TTL LOW from GBIC*	TGN	20	GND

\* Signal may optionally be implemented as specified in 3.3.  
 \*\* Signal is buffered by copper transmitter circuit from GBIC pins.  
 \*\*\* Signal is buffered by copper receiver circuit from GBIC pins.

**Environmental Specifications**

**Temperature**

Operating Range  
Storage Range

0 to +70 deg C  
-40 to +85 deg C

Notes:

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

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Fiber Optic Transceiver GBIC Gigabit Ethernet, 550 m reach, 850 nm from Show Me Cables has same day shipment for domestic and International orders. Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications.

URL: <https://www.showmecables.com/fiber-optic-transceiver-gbic-gigabit-ethernet-550-m-reach-850-nm-fxc-gbc1g-85-sx-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Show Me Cables reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Show Me Cables does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Show Me Cables does not assume liability arising out of the use of any part or document.

FOX-GBIC-GE-85-SX CAD Drawing

# Mechanical Specifications

