

5002: RS-232 Micro Transceiver

Transmits RS-232 data over multimode fiber for simplex, duplex, asynchronous, point-to-point and drop-and-repeat operation

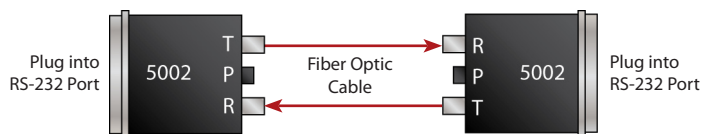


Ideal Applications:

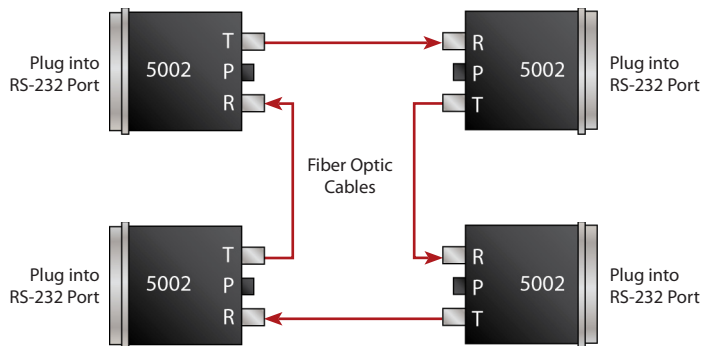
Remote control, Telemetry,
Digital signage

Signal	Channels	Direction
RS-232 Data	1	↔

Point-to-Point



Drop-and-Repeat



Operating power may be applied through the "P" port or through the DB-25 connector pins

Features

Miniature transceiver occupies no more space than a DB-25 connector

Transmits over standard multimode fiber at 850 nm

Supports distances up to 3.2 km

Adjustment-free

May be user-configured to either DCE or DTE mode

Supports simplex, duplex, asynchronous, point-to-point and drop-and-repeat operating modes

Operates with all data rates up to 120 Kbps

Quick and easy to install

Power supply must be purchased separately

Ordering Information

Part Number	Description	Fiber Cores
5002-1	Microtransceiver	2
119757	Power Supply	

Power Supply Suffix Codes (pp) for AC Line Cord:

NA - North America	AU - Australia	EU - Europe
JP - Japan	UK - United Kingdom	

Sales



**CSI Communications
Specialties, Inc.**

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Schedule
Contract GS-03F-5063C

Operating Loss Budget & Maximum Usable Distance*

Wavelength	Loss(dB)	Distance (km)
850 MM	0-15	0-3.2

MM = MultiMode Fiber

* Distance specifications are only approximate and are not guaranteed. Operating loss budget must not be exceeded.

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Sales



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UPDATED 11/03/2014

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Data Specifications

Operating Mode	Simplex, Duplex, Asynchronous Point-to-Point, Drop-and-Repeat
Data Transmission Rate	DC to 120 Kbps
Input Signal Voltage	±5 to ±15 volts per EIA RS-232D
Output Signal Voltage	±5 to ±15 volts per EIA RS-232D

General Specifications

Number of Fibers	2
Operating and Storage Temperature	-35 to +75° C
Relative Humidity	10 to 90%, non-condensing
Operating Power (per unit)	12 VDC @ 100 ma maximum 4.1 BTU/hr
Dimensions	2.1 x 1.7 x 0.55 (inches) 53 x 43 x 14 (mm)
Weight	Approx. 1 lb.; .45 kg
Connectors	Optical: ST; Signal: DB-25P (male)
Optical Wavelength	850 nm
Optical Fiber	62.5 micron multimode fiber
ESD Protection	±10 kV
MTBF	139,000 Hours

About CSI

Communications Specialties, Inc. (CSI) is an award-winning manufacturer of Pro A/V products for the distribution, conversion or transmission of television and computer video signals, including fiber optic transmission systems, scan converters and video scalars. The company was founded in 1983 by veterans of the broadcast industry. Since then, CSI has managed to consistently design innovative products that are used worldwide by Fortune 500 Companies in a variety of markets such as Broadcast/Professional A/V, Video Conferencing, Education, Home Theater, Security, ITS, Industrial Monitoring, and more!

The **Fiberlink**® line offers an extensive and affordable family of fiber optic transmission systems for the Professional A/V marketplace and includes several ground-breaking products for the transmission of high-resolution RGB signals. Systems for point-to-point and point-to-multipoint signal distribution make these products highly desirable for any Pro A/V architecture. New products are constantly being designed and developed and you can get the latest information at commspecial.com

Also from CSI: Scan Do® Scan Converters and Deuce® Video Scalars