

▶ DB515M/S RS-422 Data Transceiver

▶ DESCRIPTION

The Series DB515M/S is a two way transceiver for RS422 data. Distances of a 50km and more are available. Options are available for one and two fiber operation as well as CWDM and DWDM (ITU grid).

▶ BENEFITS

- ▶ Plug and Play operation
- ▶ Converts RS422 data to fiber media
- ▶ Transmission distances up to 50 km

▶ FEATURES

- ▶ Two way transmission of RS422 data.
- ▶ One and two fiber versions.
- ▶ Full Duplex operation
- ▶ Options for CWDM and DWDM Systems (ITU Grid)



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1/2005

▶ DB515 M/S

SPECIFICATIONS

Data

Bit Error Rate: >10⁻⁹ within optical budget
Data Rate:
 1 Fiber Unit DC to 19.2 kbps
 2 Fiber Unit 500 kbps
Operating Mode: Asynchronous, Simplex or Full Duplex

Connectors

Data: Screw Terminal

Optical

Wavelength: 850nm, 1310nm, 1550nm, CWDM, DWDM
Number of Fibers: 1 or 2
Optical Connector: ST (Multimode), FC (singlemode)

General Characteristics

Power: 0.4 A @ +12 –16 VDC
Operating Temperature: -20° to 50° C
Storage Temperature: -40° to 85° C
Size: Rackmount 17.0" W x 13" D x 1.75" H
 1 Fiber Module: 9.25" W x 6.4"D x 2.05" H
 2 Fiber Module: 3.75" W x 2.81" D x 1.1" H
Rack Slots: 1 in CR200

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	ATTENUATION	MAX DISTANCES
DB515/MIT-XY8	Data Transceiver, 1 Fiber, Multimode 850nm	14dB	4km
DB515/MIR-XY3	Data Transceiver, 1 Fiber, Multimode 1310nm	14dB	4km
DB515/M2R-XY8	Data Transceiver, 2 Fibers, Multimode 850nm	16dB	4km
DB515/SIT-XY3	Data Transceiver, 1 Fiber, Singlemode 1310nm	14dB	40km
DB515/SIR-XY5	Data Transceiver, 1 Fiber, Singlemode 1550nm	14dB	40km
DB515/S2R-XY5	Data Transceiver, 2 Fibers, Singlemode 1550nm	16dB	50km

Note:

- Specify X—packaging of the unit: U—IU rack mount, M—modular (standalone) mount
- Specify Y—connector type: A—SC/APC, E—SC, B—FC, Z—FC/APC, D-ST
- For higher optical budgets and distances, CWDM and DWDM systems, contact factory



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