



Product Data Sheet

S711DT-RST1

MPD Hi-Performance Data Tx MM, Rack

Overview

The S711D-series provides two-way transmission of multiprotocol data over one or two multimode fibers. The rack version is intended for use with the 515R1/517R1 rack mount card cages

Data Translation

The S711D also features the unique data translation function that allows input of one data format and output of a different format. Data formats are selected during installation and can be easily changed in the field via rotary switch.

Superior Diagnostics

The SMARTS™ diagnostic technology provides an extensive array of system status LEDs. The integrity of the data paths can be tested with a built-in data transmission test generator. It is not necessary to connect to an external data device.



Standard Features

- Two-way data transmission over one or two multimode fibers
- Supports multiprotocol data formats including RS-232, TTL, RS-422, RS-485, Manchester, Biphase, and SensorNet
- Unique data translation function
- User-configurable data format
- 18 dB optical budget
- Optical AGC
- SMARTS™ diagnostics
- Standalone and rack configurations

S711DT-RST1

MPD Hi-Performance Data Tx MM, Rack

Specifications

Data

- Channels 1 duplex
- Formats RS-232 (3-wire/5-wire), TTL, RS-422, RS-485 (2-wire/4-wire), Manchester, Biphase, SensorNet, DTMF control
- Max. Baud Rate 250 kbps to 512 kbps (depending on data format)
- Bit Error Rate <1.0E-9

Optical

- Mode Multimode
- Optical Budget 18 dB in 62.5µm fibre
- Emitter LED or Laser
- Wavelength 850 nm and/or 1300 nm (depending on model)
- Operating Distance Up to 15 mi (25 km) (depending on model)
- Transmitter Launch Power -14 dBm
- Receiver Sensitivity -32 dBm
- Gain Control Optical Automatic Gain Control (OAGC)

Electrical

- Input Power 12 - 16 VAC or 13.5 VDC regulated (standalone); 13.5 VDC regulated (rack)
- Current Requirement 350 mA
- Power Consumption 5 W
- Power Factor 3
- Protection Solid-state short circuit protection
- Power Supply Model 615P-1 (optional)

Environmental

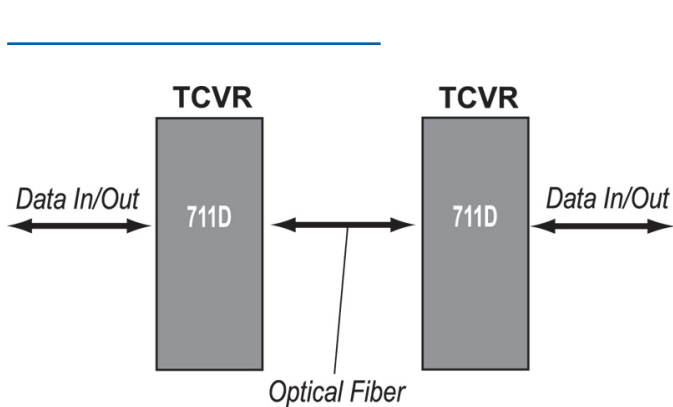
- Operating Temperature -40 to 167 °F (-40 to 75 °C)
- Maximum Humidity 95% relative, noncondensing

Standards

- Emissions FCC Part 15, ICES-003, AS/NZS 3548, EN55022
- Immunity ENV50204, EN61000-4-2, -3, -4, -5, -6, -11
- Safety UL 1950, CAN/CSA 22.2, NO. 950-95
- Laser Safety 21CFR1040, EN60825-1, -2

Mechanical

- Dimensions (LWD, Standalone Units) 5.0" x 2.8" x 1.5" (127 x 71 x 38 mm)
- Dimensions, Rack Units 1 slot (1.0")
- Weight Standalone 0.22 lbs (0.1 kg); rack 0.55 lbs (0.25 kg)
- Construction Plastic (standalone); Aluminum (rack)



Ordering Information

S711DT-RST1

Hi-Performance single-channel, rack card - 2-way multiprotocol data transmitter, 1 fiber

