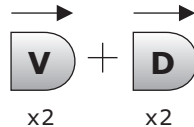


OTS2X0F Series

Two Video + Simplex Data Transmitter / Receiver

10-bit Digital

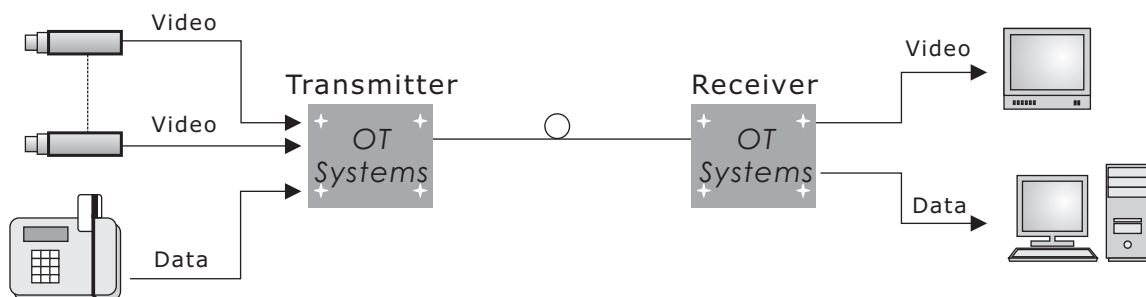


OTS210F OTS220F

Features

- 10-bit digital PCM encoding
- Support simplex RS232, RS422, RS485, Manchester data format
- Plug-and-play
- Compatible with NTSC, PAL and SECAM
- Standalone or Card Module
- Support hot swappable
- FC or ST optical connector
- Eliminate EMI, RFI and ground loop
- Surface mount technology (SMT)
- High sensitivity
- Operation status indicated by LED indicators

Typical Application



ISO 9001:2000
FM 88638

Model Selection Guide

10-bit Digital

Model		Description	Optical Budget (dB)	Wave-Length (nm)	Maximum Distance (Km)
Multi Mode 62.5/125u	OTS210F-MT	Transmitter of two video + one simplex data	25	1310	3
	OTS210F-MR	Receiver of two video + one simplex data			
	OTS220F-MT	Transmitter of two video + two simplex data	25	1310	3
	OTS220F-MR	Receiver of two video + two simplex data			
Single Mode 9/125u	OTS210F-ST	Transmitter of two video + one simplex data	31	1310	40
	OTS210F-SR	Receiver of two video + one simplex data			
	OTS220F-ST	Transmitter of two video + two simplex data	31	1310	40
	OTS220F-SR	Receiver of two video + two simplex data			

Note:

- (1) Add '-SA' to model number for standalone unit such as OTS100-MT-SA.
- (2) Default optical connector is ST type, please specify if FC type is required.
- (3) Each standalone unit comes with a 6VDC power adapter.
- (4) Please select power plug from US type, UK type, Eurotype or Australian type when ordering.
- (5) Transmission distance may be limited by optical loss of fiber, such as connector loss, splicing loss, and fusion loss.
- (6) OT Systems has various types of transmitter and receiver for transmission over longer distance in different optical budget. Please contact us for details.

Specifications

Video

Channel	2
Bandwidth	6.5MHz
Input/Output Impedance	75Ω
Input/Output Amplitude	1.0Vp-p typical
Differential Gain	≤ 1% typical
Differential Phase	≤ 1° typical
Video SNR	>65dB
Sampling Rate	15.36MHz

Data

Channel	1 or 2
Direction	Simplex
Format	RS232 / RS422 / RS485 / Manchester
Transmission Rate	0~256Kbps

MTBF

Mean Time Between Failures (MTBF)	>100,000Hrs
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Electrical

Requirement	6VDC
Power Supplies	Standalone: 6VDC power adapter Card Module: 6VDC power from OTS-C21 EIA 19" 4U Chassis

Physical

Weight (in kg)	0.6
Dimensions H x W x D (in mm)	Standalone: 153 x 24.5 x 216 Card Module: 154 x 20 x 216
Number of slots	One
Compatible Chassis	For Card Module: OTS-C21 EIA 19" 4U Rack Mount Chassis (Purchased separately)

Environmental

Operating Temperature	-40°C~+75°C
Relative Humidity	0~95% non-condensing

