

Video TR/REC - 2 Channel Model 1000 Chassis, PC Board

HFS - 1142 VIDEO RECEIVER - 2 CHANNEL

Power Supply Current (typ): 400 mA
Signal Output (Nominal): 1 Vp-p
Output Impedance: 75 ohms
Frequency Response: 15 MHz
Gain Control: Adjustable
Minimum Optical Impedance
for 1 Vp-p Output: 0.5 Microwatt
S/N @ 1 Vp-p Output with Min.
Optical Input (p-p Sig/RMS Noise): 40 dB min. (820nm)
APD Gain: Adjustable
Optical Range: 20 dB
Ambient Operating Temperature: 0 °C to 50 °C
Supply Voltage: 4.9 to 5.25 VDC
Fuse Range: 1 A

Pinout Definitions

OUT1 Video Output Channel 1
OUT2 Video Output Channel 2
R1 Optical Input Channel 1
R2 Optical Input Channel 2

NOTE: Works with Model #HFS
1144 - 288 Video Transmitter

*Meets FCC requirements of Class A, Part 15 Computing
Devices Standard.*

Specifications subject to change without notice.

HFS - 1144 VIDEO TRANSMITTER - 2 CHANNEL

Power Supply Current (typ): 200 mA
Signal Input: 1 Vp-p
Input Impedance: 75 ohms
Frequency Response: -3 dB, 6 Hz - 45 MHz
Optical Output Power: -13 dBm (820nm)
Ambient Operating Temperature: 0 °C to 50 °C
Supply Voltage: 4.9 to 5.25 VDC
Fuse Range: 0.75 A
Link Budget: 12 dB into 50/125 micron
cable

Pinout Definitions

IN1 Video Input Channel 1
IN2 Video Input Channel 2
T1 Optical Output Channel 1
T2 Optical Output Channel 2

NOTE: Works with Model #HFS
1142 - 289 Video Receiver

*Meets FCC requirements of Class A, Part 15 Computing
Devices Standard.*

Specifications subject to change without notice.

HFS - 1146 VIDEO TRANSMITTER/RECEIVER - 2 CHANNEL

Power Supply Current (typ): 400 mA
RECEIVER:
Signal Output (Nominal): 1 Vp-p
Output Impedance: 75 ohms
Connector: BNC
Frequency Response: 6 Hz to 40 MHz
AGC Level: Adjustable
Minimum Input Signal Level: -25 dB
S/N @ Min. Signal Level: 40 dB min.
Link Budget: 12 dB into 50/125 micron
cable
TRANSMITTER:
Input Signal Level: 1 Vp-p
Frequency Response: 6 Hz to 40 MHz
Input Impedance: 75 ohm
Optical Output Power into 100
Micron Fiber: 17 dB (50 microwatts) min.
Optical Wavelength: 850 nanometers
Optical Connectors: SMA or ST
Ambient Operating Temperature: 0 °C to 50 °C
Supply Voltage: 4.9 to 5.25 VDC
Fuse Range: 0.75 A
Link Linearity: ±1%

Pinout Definitions

IN1 Video Input Channel 1
T1 Optical Output Channel 1
OUT1 Video Output Channel 2
R1 Optical Input Channel 2

NOTE: Meets or exceeds EIA
RS 170

*Meets FCC requirements of Class A, Part 15 Computing
Devices Standard.*

Specifications subject to change without notice.