

# Analog Voice TR/REC - 2 Channel Model 1000 Chassis, PC Board

## HFS - 1151 AUDIO TRANSMITTER - 2 CHANNEL

Transmitter Output Power: -16 dBm (typ.), 820nm  
Frequency Response: 6 Hz to 100 KHz (3 dB)  
Input Signal Level: 1 Vp-p (balanced)  
Power Supply Current (typ.): 200 mA  
Input Impedance: 600 ohms  
Ambient Operating Temperature: 0° to 50° C  
Supply Voltage: 4.9 to 5.25 VDC  
Fuse Range: 0.75 A  
Link Budget: 15 dB into 50/125 micron cable

**Pinout Definitions**

|     |                          |
|-----|--------------------------|
| IN1 | Analog Input Channel 1   |
| IN2 | Analog Input Channel 2   |
| T1  | Optical Output Channel 1 |
| T2  | Optical Output Channel 2 |

NOTE: Works with Model #HFS 1152 - 289 Analog Voice Receiver

Meets FCC requirements of Class A, Part 15 Computing Devices Standard.  
Specifications subject to change without notice.

## HFS - 1152 AUDIO RECEIVER - 2 CHANNEL

Frequency Response: 6 Hz to 100 KHz (3 dB)  
Signal Output Voltage: 3 Vp-p (balanced)  
Power Supply Current: 300 mA  
Gain Control: Adjustable  
S/N @ 1 Microwatt Optical Input: 40 dB RMS Signal/RMS Noise  
Output Impedance: 600 ohms  
Ambient Operating Temperature: 0° to 50° C  
Supply Voltage: 4.9 to 5.25 VDC  
Fuse Range: 0.75 A  
Link Budget: 15 dB into 50/125 micron cable

**Pinout Definitions**

|      |                         |
|------|-------------------------|
| OUT1 | Analog Output Channel 1 |
| OUT2 | Analog Output Channel 2 |
| R1   | Optical Input Channel 1 |
| R2   | Optical Input Channel 2 |

NOTE: Works with Model #HFS 1151 - 289 Analog Voice Transmitter

Meets FCC requirements of Class A, Part 15 Computing Devices Standard.  
Specifications subject to change without notice.

## HFS - 1153 AUDIO TRANSMITTER/RECEIVER - 2 CHANNEL

Transmitter Output Power: 20 microwatts (typ.), 820nm  
Receiver S/N @ 1 Microwatts  
Input Power: 40 dB RMS Signal/RMS Noise  
Frequency Response: 6 Hz to 100 KHz (3 dB)  
Receiver Output Signal Level: 3 Vp-p (balanced)  
Transmitter Input Signal Level: 1 Vp-p  
Receiver Gain: Adjustable  
Power Supply Current: 300 mA  
Input/Output Impedance: 600 ohms  
Ambient Operating Temperature: 0° to 50° C  
Supply Voltage: 4.9 to 5.25 VDC  
Fuse Range: 0.75 A  
Link Budget: 15 dB into 50/125 micron cable

**Pinout Definitions**

|      |                          |
|------|--------------------------|
| IN1  | Analog Input Channel 1   |
| T1   | Optical Output Channel 1 |
| OUT1 | Analog Output Channel 2  |
| R1   | Optical Input Channel 2  |

Meets FCC requirements of Class A, Part 15 Computing Devices Standard.  
Specifications subject to change without notice.