ANALOG MODULES, INC.

a HEICO company

MODEL 732T/R
ANALOG FIBER OPTIC LINK

ANALOG/DIGITAL FIBER OPTIC LINK

- **Accepts Analog/Digital Inputs**
- **Transparent Transmission DC and AC Information**
- **Adjustable Gain/Offset at Receiver**
- **Low Cost**

DESCRIPTION:

The ***Model 732T/R*** Fiber Optic Link can be modulated with various analog/digital signals from DC to 10 MHz to form a versatile and transparent fiber optic transmission system. Typical applications include short haul (≤ 1 km) analog/digital data links and EMI isolation applications in which the use of conventional wire is undesirable.

SPECIFICATIONS:

Link Bandwidth	
Range	DC to 10 MHz (analog BW)
Flatness	± 3%
Transmitter Input	
Signals	Sinewave/pulses or DC
Amplitude	± 2.5 V (add -2.5 to part number) 0 to 5 V (add -5 to part number)
Impedance	50 Ω (add -50 to part number) 33 kΩ (add -33k to part number)
Input (Electrical)	SMA
Output (Optical)	ST connector
Wavelength	850 nm
Fiber	Designed to operate with a customer supplied ST to ST 62.5/125 μm multimode, PVC Simplex cable. 10 m cable available for an additional fee.

Receiver Output	
Amplitude	± 2.5 V or 0 to 5 V, non-inverting
Load	> 1 kΩ
Output (Electrical)	SMA
Gain/Offset	Trimpot adjustable
Dynamic Range	55 dB peak signal to rms noise
Input (Optical)	ST connector
Power	± 15 VDC at 50 mA typical for both transmitter and receiver
Temperature	0° to 70°C
Size	
Transmitter	2.96" x 1.00" x 0.61"
Receiver	2.96" x 1.00" x 0.61"
Weight	20 grams each

Specifications subject to change without notice.

APPLICATIONS:

Short Haul, EMI Isolation, Audio/Video Link

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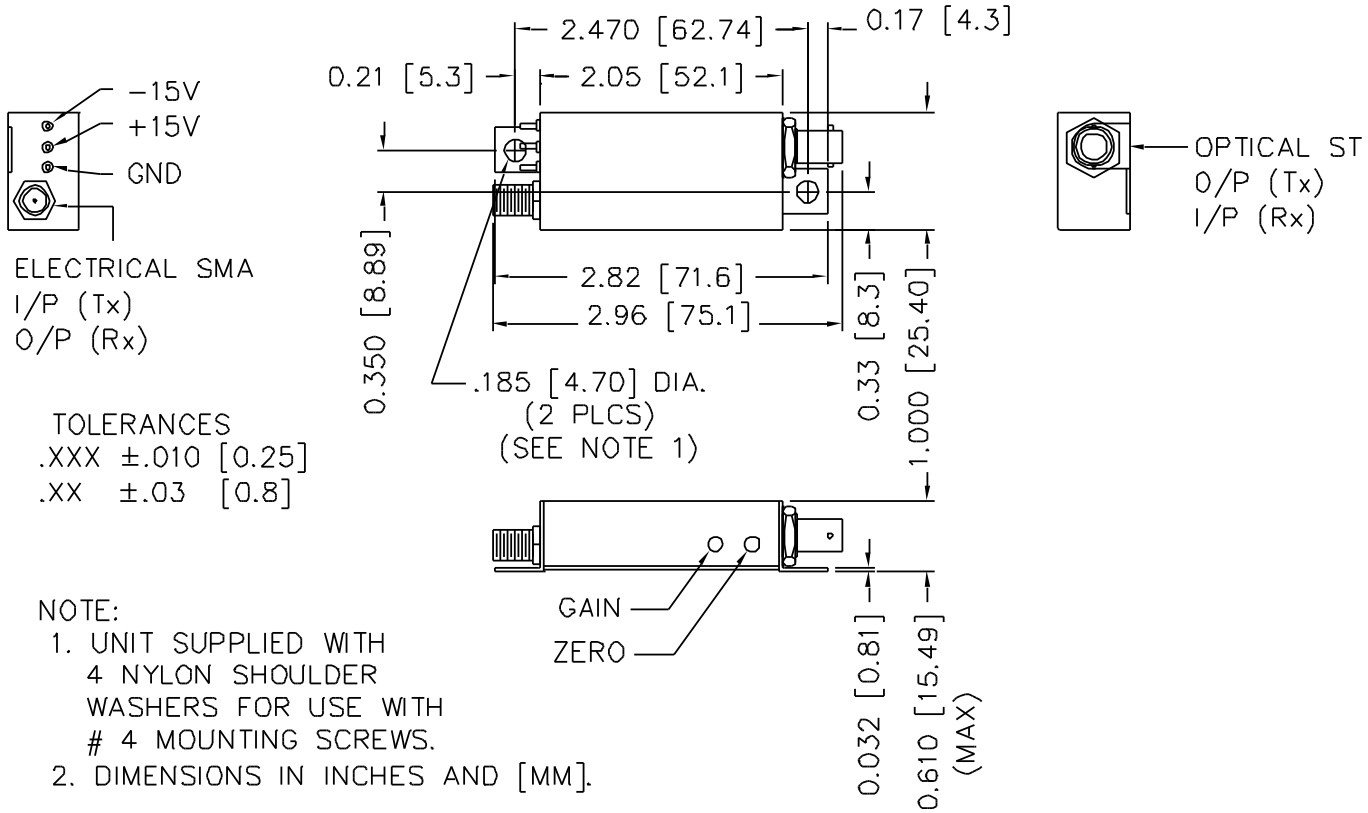
Typical Part Number: ***732T/R-2.5-50-10M =***

Transmitter:	Electrical Input Connector: SMA
Input Amplitude:	±2.5 V
Input Impedance:	50 Ω
Optical Output Connector:	ST
Receiver:	Optical Input Connector: ST
Electrical Output Connector:	SMA
Optional Fiber:	ST to ST (Ceramic) 62.5/125 μm, multimode, PVC Simplex, 10 meters with mating connector terminations. Available for an additional fee.



TOLERANCES
.XXX ±.010 [0.25]
.XX ±.03 [0.8]

NOTE:
1. UNIT SUPPLIED WITH 4 NYLON SHOULDER WASHERS FOR USE WITH # 4 MOUNTING SCREWS.
2. DIMENSIONS IN INCHES AND [MM].

A change in signal of ±25% may result when cable and/or ST connectors are moved. Receiver gain and offset should be calibrated each time the fiber and/or connectors are moved. Permanent bonding should be considered if greater accuracy is required.