

## Model 6767 Four Channel TTL Logic-to-ST Fiber Interface Converter, Desktop

- Converts TTL Logic signals to ST Fiber Optic signals.
- Has screw terminal strips for easy connection of the Copper Logic signals.

### INTRODUCTION

The Model 6767 is a high speed TTL digital logic level to fiber interface converter from Electro Standards Laboratories. It translates four input/output logic pairs into four fiber pairs, resulting in a total of eight fiber optic connections. Typical operating speeds are up to 2.5 Mbps.

Features include ESD protection on all copper interfaces, convenient ST fiber connectors, and logic test points that allow for signal monitoring.

- For other examples of TTL Logic to Fiber converters, see Models 6766 (Cat No. 306766) and 6765 (Cat No. 306765).



### SPECIFICATIONS:

#### Optical Interface:

TX Power: -17dBm  
RX Sensitivity: -27.5 dBm  
Wavelength: 820 nm, multimode  
Fiber Size: Accepts 50/125 micron, 62.5/125 micron, or 100/140 micron

#### Fiber Polarity:

Logical 0 = Light ON/OFF: User Selectable via Jumper  
Logical 1 = Light ON/OFF: User Selectable via Jumper

#### Copper Interface:

Type: TTL Logic  
Vih : 24VDC - nominal, Voh : 15VDC - nominal  
Vil : 0VDC - nominal, Vol : 3VDC - nominal

#### Bit Rate (nom.): (Board Unit)

0 to 2.5 Mbps, Nominal

#### Operating Environment:

0°C to +70°C

#### Copper Terminal Strips for easy connection of the copper logic signals:

- (1) Terminal Strip: Channels TXA, TXB, TXC, TXD.
- (1) Terminal Strip: Channels RXA, RXB, RXC, RXD.
- (2) Terminal Strips: Digital Ground, for each channel.

#### Glass Fiber Connectors:

- (8) ST Connectors: RXA, TXA, RXB, TXB, RXC, TXC, RXD, TXD,

#### Power:

Supply Voltage: (4.75 – 5.25) Vdc  
Supply Current: 350 mA  
Power Supply included. (ESL PN: 521091)

#### Mechanical:

Model 6767 / 306767 (Desktop Unit)  
8.36" W x 1.896" H x 9.12" D [21.3 x 4.9 x 23.2 cm]  
Weight: 2.4 lbs [1.1 kg]  
▪ 1-year factory warranty

### DIN RAIL MOUNTING KIT AVAILABLE

(Catalog Number 520418)

Optional: DIN rail mounting kit attaches to the bottom cover of the Model 6767 Fiber Interface Converter.

