

X14-ST-850— 1:4 Fiber-Optic Trigger Fanout 850 nm

Features

- Fans out one fiber optic input to 4 outputs
- Compact package
- Low latency and jitter
- Square wave transmission up to 40 MHz
- DC operation
- Compatible with 50/125 μm , 62.5/125 μm , and 200 μm multimode fiber optic cables



Applications

- EMI-immune trigger and logic level signal delivery in distributed systems
- Long-range digital signal transmission
- Frequency transmission
- High voltage isolation
- General-purpose optical signal distribution

Specifications

Fiber-optic input	Broadcom AFBR-2418TZ receiver (ST bayonet), 850 nm light (near infra-red)
Fiber optic outputs	Broadcom HFBR-1415TZ 50 MBd transmitter (ST bayonet) , 850 nm light (near infra-red)
Propagation delay	≤ 60 ns
Propagation jitter	< 1 nsec
Frequency range	DC to 40 MHz (50% duty cycle square wave)
Power input	+24 +/- VDC, 100 mA max. Fused 1.1 A.

Connectors

Fiber optics	ST bayonet. Recommended fiber 62.5/125 μm step index multimode
24 VDC input	2.1 mm threaded jack. Mate with Switchcraft S761K or equivalent. Pin: +24 VDC; Shell: 0V
Ground	Case grounded via mounting flange and M3 hardware



Case

Type	Stainless steel sheet with mounting flange
Weight	0.20 kg (0.44 lb)

Environment

Operating environment	10 to 35C, < 80% humidity, non-condensing
Storage environment	0 to 50C, < 80% humidity, non-condensing

Ordering information

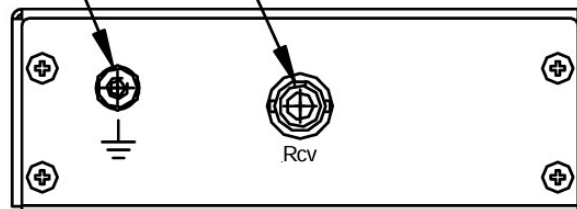
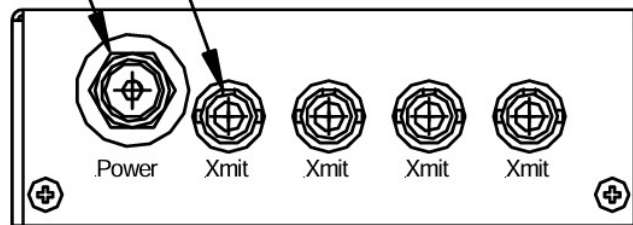
X14-ST-850	Bi-directional Optical to TTL converter, ST bayonet fiber optic connectors
MTG-DIN35-7662	DIN rail mounting adaptor
PSU24-25-1	Universal 24 VDC power supply, medical rated, 25 W, C8 line inlet, Switchcraft S761 threaded jack outlet.



Connectors

ST FIBER OPTIC RECEIVER

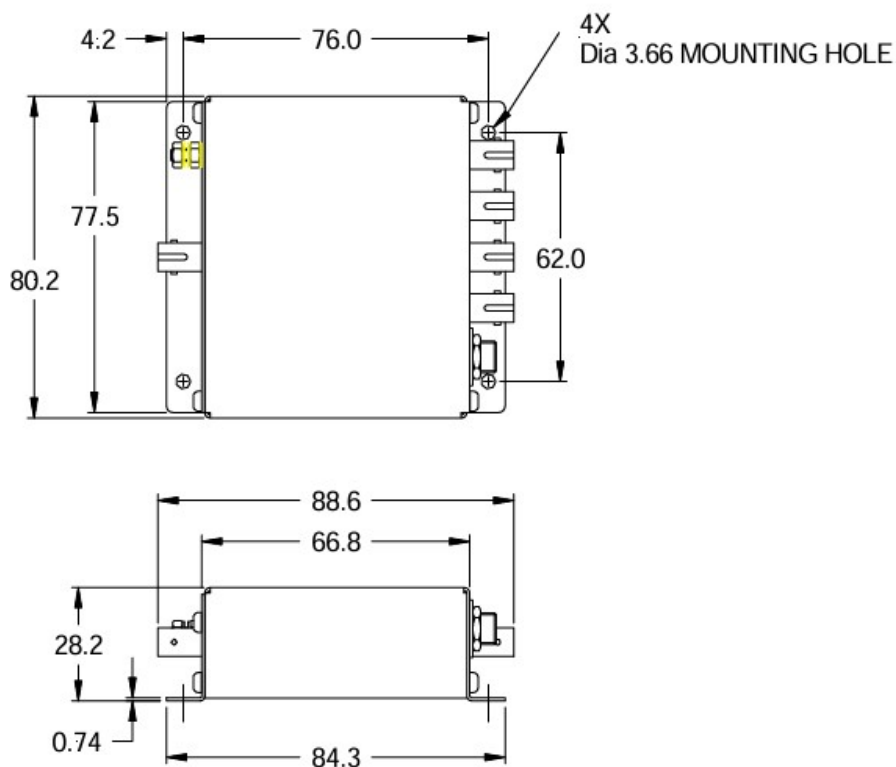
M3 GROUND LUG

ST FIBER OPTIC
TRANSMITTER (4X)+24VDC POWER
SWITCHCRAFT L721

Mounting & Dimensions

Plan and side
views

Dims mm



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X14-ST-850-DS_260618



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