

RFL Fiber Service Units T1/E1

By RFL Electronics
Catalog # [T1/E1_FSU](#)



The C37.94 units offer a multitude of electrical interfaces for diverse applications (X.21, V.35, RS-449, G.703 and E1) and are also available with non-standard single mode fiber options. The T1/E1 units can be used with multi-mode and single mode fiber over varying distances and are also compatible with the optics on IMUX 2000 multiplexers. Both standard units are designed for wall mounting, however, rack mount options are available for both FSU's with 1RU (1.75") and 3RU (5.25") 19" rack mount chassis.

Features

- T1/E1 FSU:Low cost fiber solution for T1/E1 fiber extension or point-topoint long haul applications
- T1 or E1 all in the same package Wide range of LED and LASER optics for multimode and singlemode with distance up to 90Km (55.9 miles) Wide range power supply (38-150Vdc):Rugged, easy-to-mount enclosure for flexibility of installation
- Designed for harsh environments such as substations or exterior equipment buildings
- Rack mount options available (3U x 19")
- Regulatory Requirements: MTBF Bellcore TR332 Issue 5, Method 1>1,000,000 Hours, Case 3 Temp 25 C

General

Alarms	Output Form: "C" (SPDT), Open Circuit Voltage: 300 VDC, Current (Continuous): 1 Amp, Breaking Current: 1 Amp, Non-inductive
Catalog Number	T1/E1_FSU
Connector	D-Subminiature 15 position male connector and 2 BNC

Format	coax connectors ESF or SF
Humidity	90% RH Non-Condensing @ 40°C
Line Code	AMI/B8ZS/HDB3 (Jumper/Switch selectable)
Operating Temperature Celcius Max	+55 °C
Operating Temperature Celcius Min	-20 °C
Power Consumption	Less than 5W
Specifications	Signaling: Transparent to product

Electrical Ratings

Dielectric Strength	2500 VDC
Impedance	Twisted Pair - 120 Ohms or Coax (selectable) - 75 Ohms
Supply Voltage	38-150 VDC

Product Assets

[Brochures - T1/E1 and C37.94 Fiber Service Units](#)
[Specifications - T1E1_FSU](#)