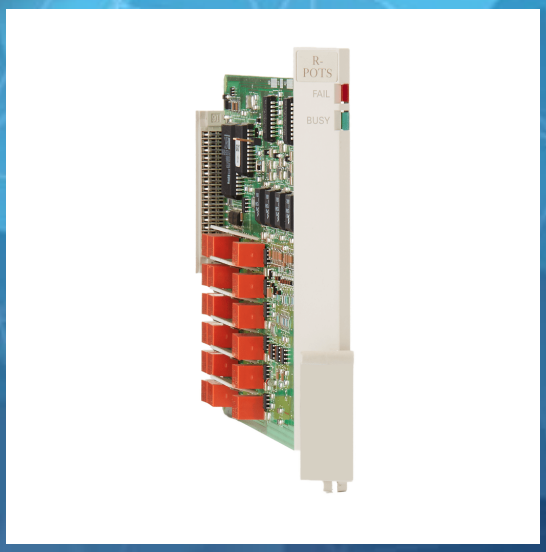


SKU: 0110-0291
Category:

Remote Subscriber Terminal POTS (R-POTS)

The RST POTS (R-POTS) plug-in card provides six circuits of standard loop start Plain Old Telephone Service (POTS) and supports a loop length resistance of 1830 Ohms. The R-POTS card is the Remote Subscriber Terminal (RST) counterpart to the loop terminating L-POTS plug-in card. The R-POTS card provides ring cadence following, local ring trip, on-hook transmission between ring-bursts, and forward disconnect. The card supports Call Message Waiting Indicator (CMWI).

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Features

- •On-hook transmission (CLASS) capability
- •Forward disconnect
- •900 ff structural impedance
- •1830 ff loop length resistance (including station)
- •Transient protection
- •Remote test access to metallic tip and ring
- •Call Message Waiting Indicator (CMWI)

Highlights

Scalability

You can insert the R-POTS card into any general purpose slot at a RST, allowing up to 100% slot population in a single shelf.

Voice Service

Install the R-POTS card in the RST to provide universal (TR-57) POTS service and install its counterpart, the L-POTS card, in the Local Exchange Terminal (LET). Otherwise, configure an integrated switch interface (GR-303 or TR-8) at the LET to provide the R-POTS termination.

Testing Capabilities

The R-POTS card has backplane metallic tip-ring access to enable testing using the Metallic Test Unit (MTU) plug-in card. Use the R-POTS card with non-loaded cable.

Specifications

Physical

- •Height: 5.125 in (13.018 cm)
- •Width: 0.563 in (1.429 cm)
- •Depth: 10.5 in (26.67 cm)
- •Weight: 0.5 lb (0.23 kg)

Interfaces

- •Six (6) 2-wire circuits

Power Consumption

- •Maximum power consumption:
- •Typical power consumption: 2.0 W

Environmentals

- •Temperature: -40° to +149° F (-40° to +65° C)
- •Relative Humidity: 5–95% noncondensing
- •Altitude: Up to 10,000 feet

Compliance

- •TR-TSY-000057
- •TR-TSY-000303
- •GR-1089-CORE

General

- •20 mA constant current @ 1830 ff

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- •End to end signaling delay (normal and reverse): < 40 msec
- •Pulse distortion (pw > 50 msec): < 10 msec
- •Ring trip detector (85 Vrms, 20 Hz): > 2000 ff
- •Ring trip delay (85 Vrms, 20 Hz): < 150 msec
- •Maximum loop length including station: 1830 ff
- •Loop current: 25 mA constant current @ 600 ff
- •Open ckt. voltage – normal mode (battery -52 V): 46 V min
- •Open ckt. voltage – on hook transmission mode: 42.5 V min
- •Off-hook detection threshold: < 2.0 kff
- •On-hook detection threshold: > 9.0 kff
- •Audio Companding: Q-Law
- •Nominal input impedance: 900 ff
- •Nominal loss (referenced to 2-wire 900 ff): -2.0 dBm 3 0.5 dB
- •Maximum VF overload level: +5.0 dBm
- •Two wire return loss ERL: > 18 dB
- •Longitudinal balance: > 58 dB (200 Hz – 3.0 kHz)
- •Balance (compromise): 900 ff

LED Indicators

- •FAIL (red)
- •BUSY (green)

Management

- •Craft User Interface (CUI)
- •Tellabs Panorama Element Management System (EMS)

Software Support

- •Minimum base software FP16 and higher

Installations

- •Supported in Tellabs 1000 CBA

Ordering Information

- •R-POTS: 0110-0148

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