



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).

## 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

- 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