



**SKU**: 0110-0150 **Category**:

# Local Exchange Terminal POTS (L-POTS)

The LET Plain Old Telephone Service (L-POTS) plug-in card provides six loop start POTS circuits. The L-POTS card delivers Loop-Start-Only signaling with ring cadence following, on-hook transmission between ring bursts, and forward disconnect. The L-POTS card also provides a high on-hook DC resistance and a universal ringing detector. In addition, L-POTS card supports Call Message Waiting Indicator (CMWI) and is MLT (Mechanized Loop Testing) capable. Install the L-POTS plug-in card in the LET; install its counterpart, the RST POTS plug-in card (R-POTS), in the RST.

# **Features**

- On-hook transmission (CLASS) capability
- Forward disconnect
- •900 ff local exchange impedance
- Compatible with the following test systems MLT, Teradyne 4TEL and Reltec
- •Call Message Waiting Indicator (CMWI)

# **Highlights**

# **Scalability**

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

#### **Voice Service**

Install the L-POTS card in the LET to provide universal (TR-57) POTS service and install its counterpart, the R-POTS card, in the Remote Subscriber Terminal (RST).

### **Testing Capabilities**

Compatible with the following test systems, including MLT, Teradyne 4TEL and Reltec.

# **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: 0.62 W

#### Alarm / Monitor / Test

- •MLT
- •Teradyne 4TEL
- Reltec

#### **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

#### General

- •End to end signaling delay (normal): < 50 ms
- •Pulse distortion (pw > 50 msec); < 10 ms
- •Ring detection: < 150 ms

- •AC ringing load (20 Hz): 7 kff 3 10 %
- •Ring detector sensitivity: 50 Vrms (17 to 33 Hz)
- •Nominal DC input resistance: 930 ff
- •Normal open interval detector threshold: 10 mA 3 3 mA
- •Maximum CO wiring resistance: 200 ff
- Audio Companding: Q-Law
- •Nominal VF input impedance: 900 ff + 2.16 QF
- •Nominal net loss (referenced 2-wire 900ff): 0 dBm 3 0.4 dB
- •Maximum VF overload level: +5 dBm
- •2-wire return loss: ERL 18 dB SRL > 10 dB
- •MLT/Teradyne DC Signatures On-Hook: Tip-to-Ground and Ring-to-Ground 430 kff and Tip-to-Ring > 2 Mff
- •MLT/Teradyne DC Signatures Off-Hook: Tip-to-Ground, Ring-to-Ground 430 kff and Tip-to-Ring 900ff
- •Reltec DC Signatures On-Hook: Tip-to Ground and Ring-to-Ground 445 kff and Tip-to-Ring > 2 Mff
- •Reltec DC Signatures Off-Hook: Tip-to-Ground and Ring-to-Ground 445 kff and Tip-to-Ring >1200 Mff
- •DLC Test Resources In Use Signatures: Tip-to-Ground, Ring-to-Ground 169 kff and Tip-to Ring 300 kff

#### 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

•L-POTS: 0110-0150