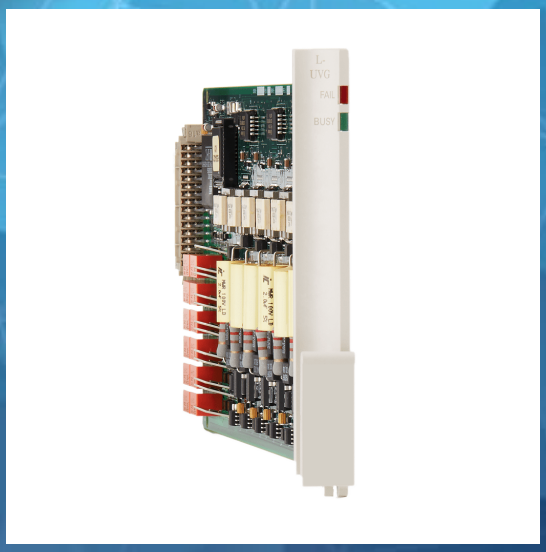


SKU: 0110-0095
Category:

Universal Voice Grade (L-UVG)

The LET Universal Voice Grade (L-UVG) plug-in card is the LET counterpart to the RST Universal Voice Grade (R-UVG) plug-in card. In the default ground start/loop start service mode, the L-UVG card direct-maps to the corresponding R-UVG card and establishes six dedicated circuits, thereby reducing the total number of spans for concentration. Other provisionable service modes provide for timeslot concentration within the Tellabs 1000 transport.

Features

- •Automatic or provisionable transmission gain (0.1 dB steps)
- •Ground Start and Loop start and Reverse battery signaling
- •Reverse battery (quiet)
- •Wide ring voltage/frequency detection window
- •Software provisionable 600/900 ÃŽÂ© impedance
- •On-hook transmission
- •Compatible with the following test systems MLT, Teradyne 4TEL and Reltec
- •Call Message Waiting Indicator (CMWI)

Highlights

Easy Provisioning

From CUI or Tellabs Panorama EMS each L-UVG circuit can be independently provisioned as a D4 FXO, D4 DPT, GR-08 POTS or GR-08 DID circuit. The L-UVG card provides ring cadence following including ring-ping.

Mutliple Modes of Transmission

Three (3) modes of on-hook transmission are supported: between ring bursts, loop current feed open interval, and provisionable full time forward disconnect is supported in POTS mode. The card also supports precision gain adjustment in 0.1 dB steps over a 12.0 dB range. The L-UVG is typically used at the LET. The L-UVG can be located at the RST to support Direct Inward Dialing (DID) applications.

Testing Capabilities

The L-UVG card also supports multiple loop testing systems including Mechanized Loop Testing (MLT).

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:

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

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- TR-TSY-000303
- GR-1089-CORE

General

- End-to-end signaling delay (normal and reverse battery):< 50 msec
- Pulse distortion (normal, reverse, pw > 50 msec):< 15 msec
- Ring detection:< 100 msec AC ringing load (20 Hz)
- Ring detector sensitivity:40 Vrms 17 to 55 Hz
- Nominal DC input resistance:800 Ohms
- Nominal DC input resistance in DID mode:250 Ohms
- Ring ground resistance:600 Ohms
- Maximum CO wiring resistance:200 Ohms
- Audio Companding:u-Law
- VF input impedance (provisionable):600/900 Ohms
- Nominal net loss (referenced 2-wire 600 Ohms):0 Â3 0.4dB
- Maximum VF overload level:+ 5.0 dBm
- Longitudinal balance:> 58 dB (400 Hz to 3.4 kHz)
- Two-wire return loss:ERL > 18 dB, SRL > 10 dB
- Transmit gain adjustment:3 dB to + 9dB
- Receive gain adjustment:9 dB to + 3dB
- MLT/Teradyne DC Signatures On-Hook:Tip-to-Ground and Ring-to-Ground 430 kOhms and Tip-to-Ring 50 kOhms
- MLT/Teradyne DC Signatures Off-Hook:Tip-to-Ground and Ring-to-Ground 430 kOhms and Tip-to-Ring 900 Ohms
- MLT/Teradyne DC Signatures Off-Hook Ring-Grounded:Tip-to-Ground and Ring-to-Ground 430 kOhms and Tip-to-Ring 900 kOhms
- Reltec DC Signatures On-Hook:Tip-to-Ground and Ring-to-Ground 430 kOhms and Tip-to-Ring 50 kOhms
- Reltec DC Signatures Off-Hook:Tip-to-Ground and Ring-to-Ground 430 kOhms and Tip-to-Ring 835 Ohms
- Reltec DC Signatures Off-Hook Ring-Grounded:Tip-to-Ground and Ring-to-Ground 430 kOhms and Tip-to-Ring 835 kOhms

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-UVG: 0110-0095

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