AUA55 (RT) CHANNEL UNIT - MULTIPARTY 5SCU570AXX

DATA SHEET

SLC® SERIES 5 CARRIER SYSTEM

The AUA55 CU (channel unit) is intended for 2-wire, multiparty service with ANI (automatic number identification) for 2-party lines. It is a current feed circuit that provides the interface between the customer loop and the SLC Series 5 system. This plug-in can provide two channels of service and will always be located in the RT (remote terminal). The COT end of the channel must be terminated with a multiparty channel unit (e.g. AUA35).

Figure 1 is a functional block diagram of the unit and Figure 2 shows the faceplate.

This unit is a voice-frequency transmission channel unit having an electronic line-interface with a nominal structural impedance of 900 ohms in series with 2.16 μF. The balance network is also 900 ohms in series with 2.16 μF. The off-hook transmission loss is 1 dB in both the transmit and receive directions.

During the idle condition, the channel unit remains powered up to permit on-hook transmission. The on-hook transmission loss is 4.5 dB in both the transmit and receive directions. During the off-hook condition, the channel unit applies a line voltage that varies with the length of the cable; the current varies normally from 40 mA to 30 mA for loops from 0 to 1500 ohms.

There are no options or settings that need to be selected on the channel unit; signaling and loss parameters are determined automatically by the channel unit.

Faceplate LEDs indicate as follows:

- ***ODD BUSY*** (Red LED): When lighted, indicates that the odd channel is busy.
- ***EVEN BUSY*** (Red LED): When lighted, indicates that the even channel is busy.

The faceplate jack provides convenient test access to the tip (T) and ring (R) of both the odd (O) and even (E) channels.

Technical assistance for the SLC Series 5 system can be obtained by calling the Regional Technical Assistance Center at **1-800-225-RTAC**. This telephone number is staffed 24 hours per day.

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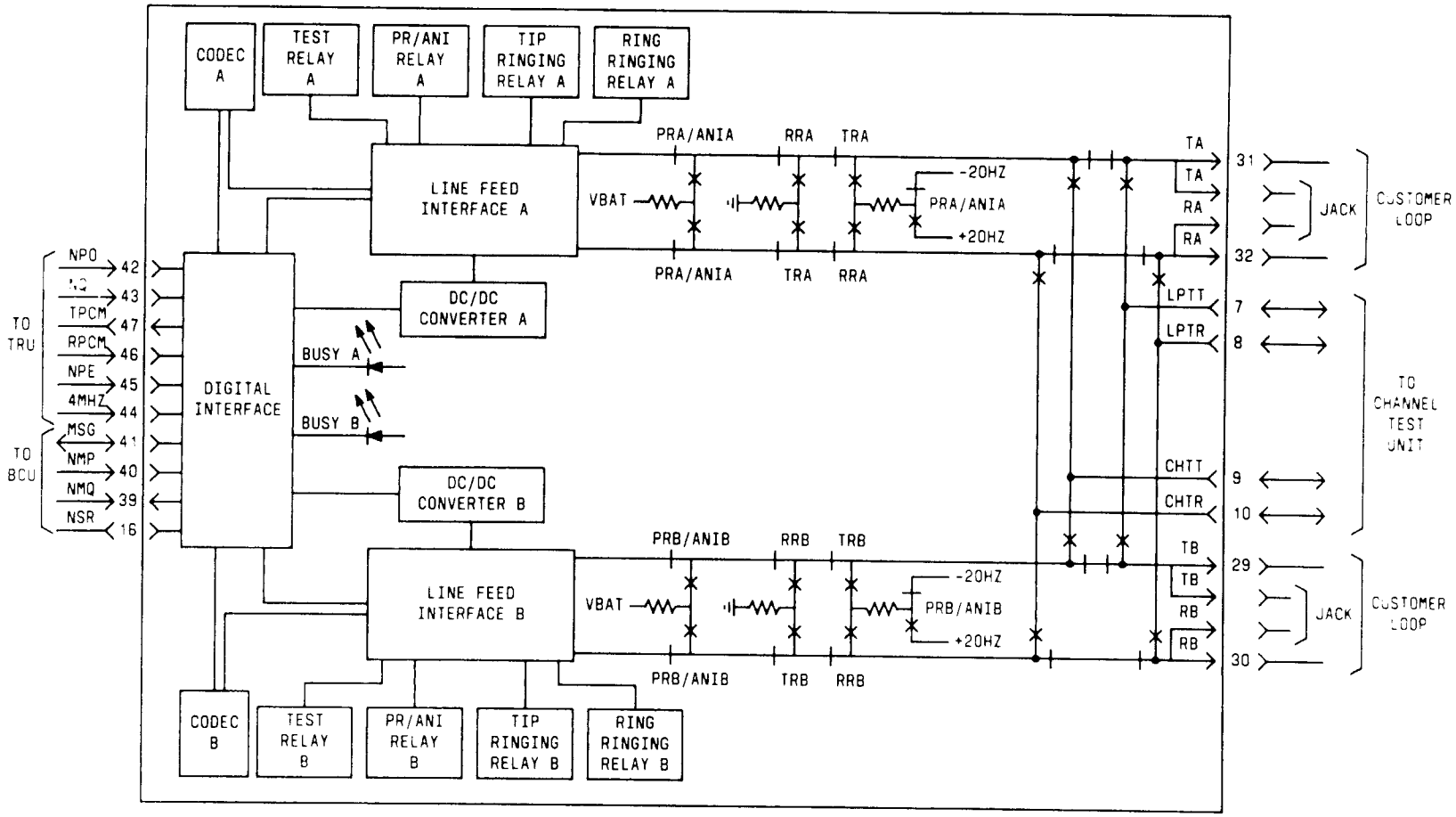

Fig. 1—AUA55 Block Diagram

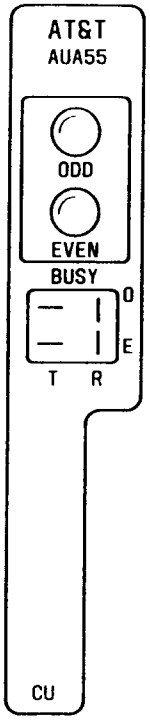

Fig. 2—AUA55 Faceplate