

J98726PA-1, L1 RXO CHANNEL UNIT D4DC210

DATA SHEET

D4 CHANNEL BANK

The Remote Exchange Office (RXO) end channel unit (J98726PA) is used in carrier trunks for circuit switched digital capability (CSDC). It provides the interface between the D4 channel bank and the 2-wire access lines from a No. 1 or 1A ESS* Switch. The

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No. 1 or 1A ESS Switch is required at the CSDC customer serving office to recognize, process, and switch calls to digital carrier facilities for trunking between offices. The RXO channel unit at the CSDC office is used in conjunction with the TRXS (time compression multiplex remote exchange station end) channel

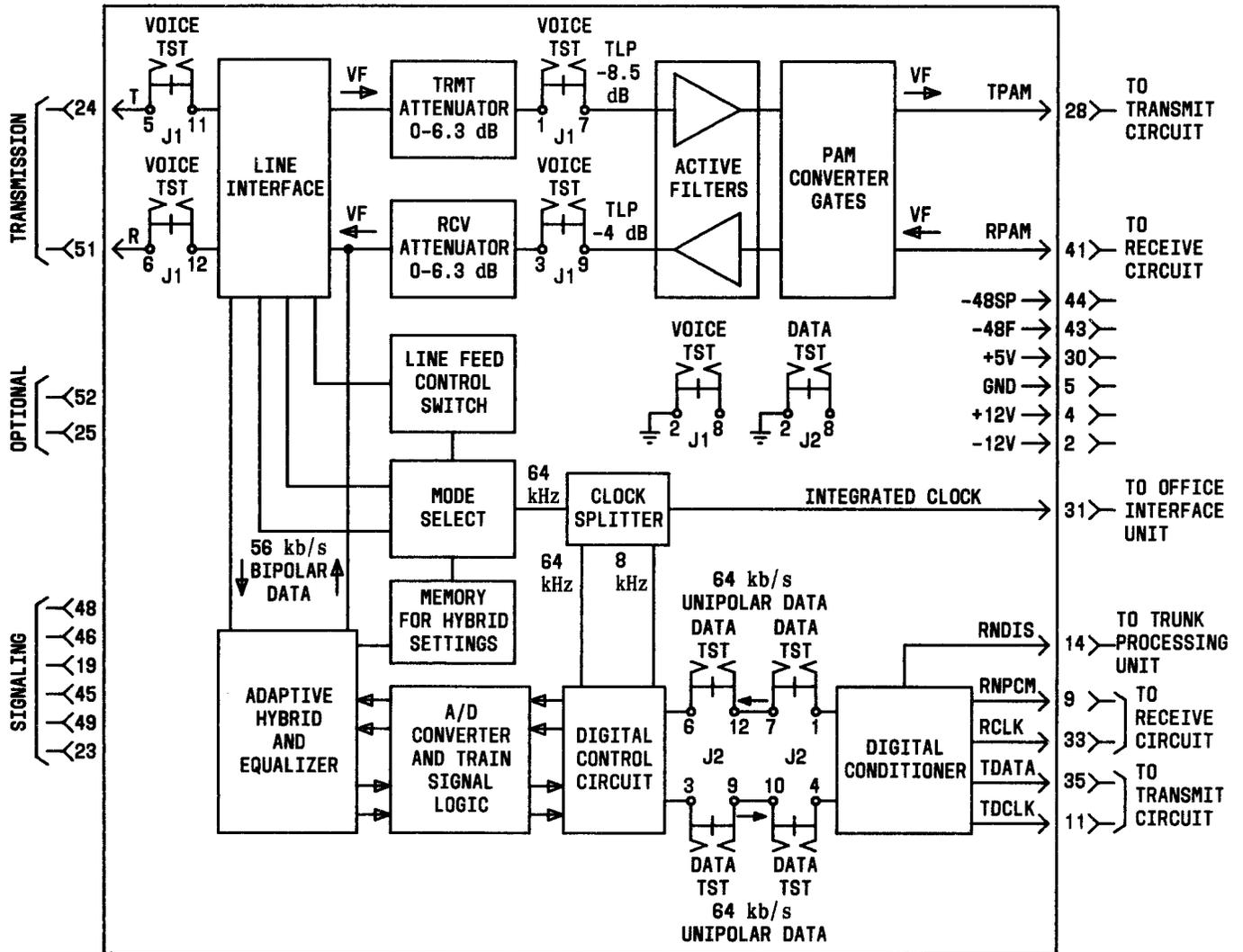


Fig. 1—J98726PA-1 Block Diagram

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unit at the customer's normal exchange office. Both channel units contain the circuitry for transmission of voice, 56kb/s data, and control signals in both directions along with the accompanying signaling and supervision signals.

The voice transmission circuitry of this unit consists of the line interface, 0-6.3 dB transmit and receive attenuators, active bandpass filters, and gate circuitry for pulse amplitude modulation (PAM). The

data transmission circuitry consists of the line interface, an adaptive hybrid and equalizer, a data converter, and a digital signal conditioner.

For detail, see CD- and SD-7C302-01 and Section 365-170-123.

Figure 1 is a functional block diagram of the unit and Fig. 2 gives major component location and option information.

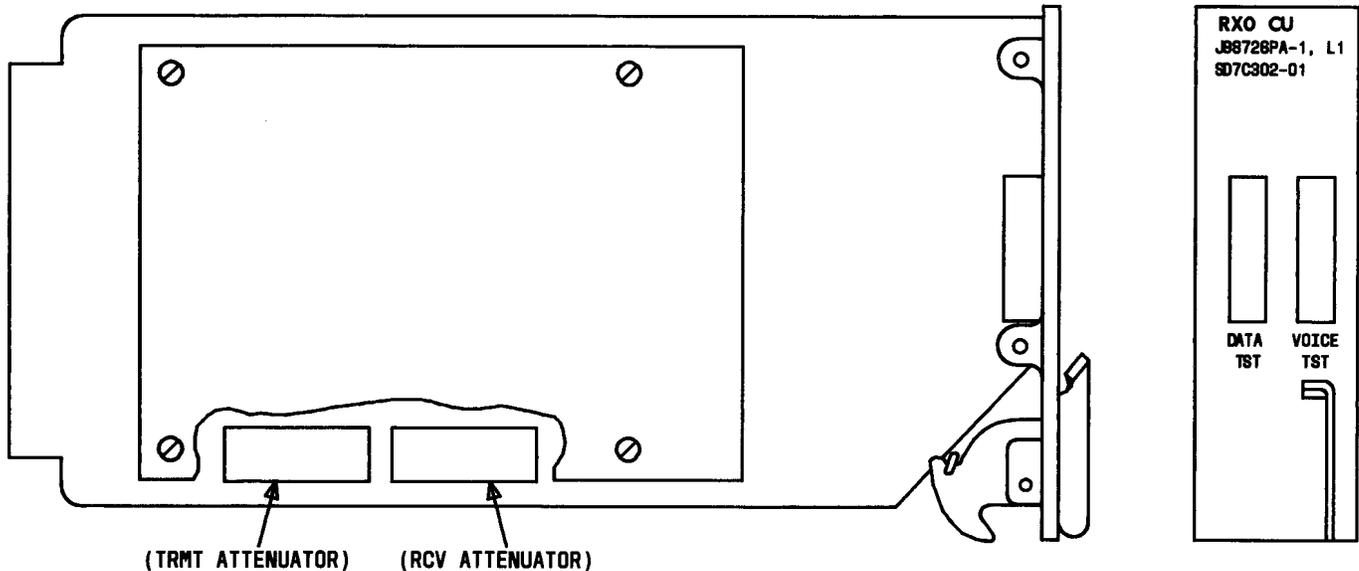


Fig. 2—J98726PA-1 Component Layout

TRMT AND RCV ATTENUATORS: Six rocker switches on both the transmit and receive attenuators provide 0 to 6.3 dB of attenuation in the transmit and/or receive voice transmission paths in steps of 0.1 dB. These rocker switches are set to obtain the required voice transmission level at the TRMT and RCV TLP voice test terminals (−8.5 dB and −4 dB respectively).

VOICE TST CONNECTOR: Insertion of a test card into this connector provides splitting access to

the −8.5 dB transmit and −4.0 dB receive transmission level points in the 4-wire voice circuit and provides access to the tip and ring leads on the 2-wire side.

DATA TST CONNECTOR: Insertion of a test card into this connector provides splitting access to the transmit and receive 64 kb/s unipolar data points.