

J98726CF-1, L1 PG15R CHANNEL UNIT D4CP600

DATA SHEET

D4 CHANNEL BANK

The 15-kHz Program Receiver (PG15R) channel unit (J98726CF) provides the interface between the D4 common receiving circuit on the line side and the receiving analog program circuit on the office side. The 15-kHz program service is a 1-way service requiring a transmit channel unit (PG15T) at one end and a receive channel unit (PG15R) at the other. Each 15 kHz unit occupies three adjacent shelf positions and six digital time slots.

Both channel units contain per channel code and decode (codec) circuitry which allows them to transmit

and receive pulse code modulation (PCM) signals. This allows much higher signal quality than that available from voice or previous program channel units and is suitable for all television audio and frequency modulation (FM) monaural and stereophonic service. Stereophonic service requires two channel units at each end. PG15R channel units may also be used in SLC*-96 carrier system applications. Use in the SLC-96 carrier system requires that both the central office terminal (COT) and remote terminal (RT) be in central office environments.

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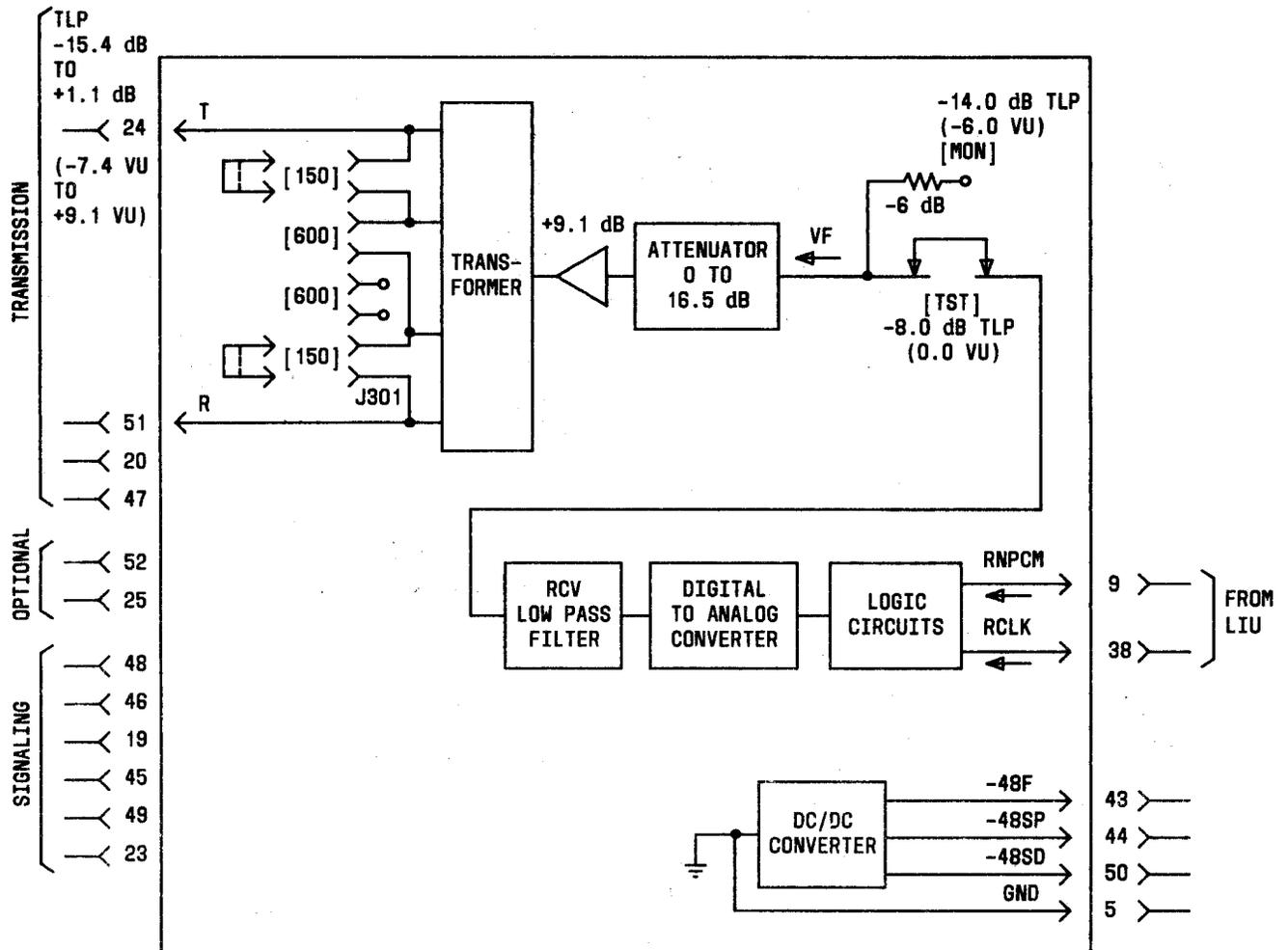


Fig. 1—J98726CF-1 Block Diagram

NOTICE

Not for use or disclosure outside the Bell System except under written agreement.

The transmission circuitry of this unit contains a selectable impedance matching transformer and a 0- to 16.5-dB attenuator which are both in the receive path. For detail, see CD- and SD-7C322-01 and Section 365-170-122.

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

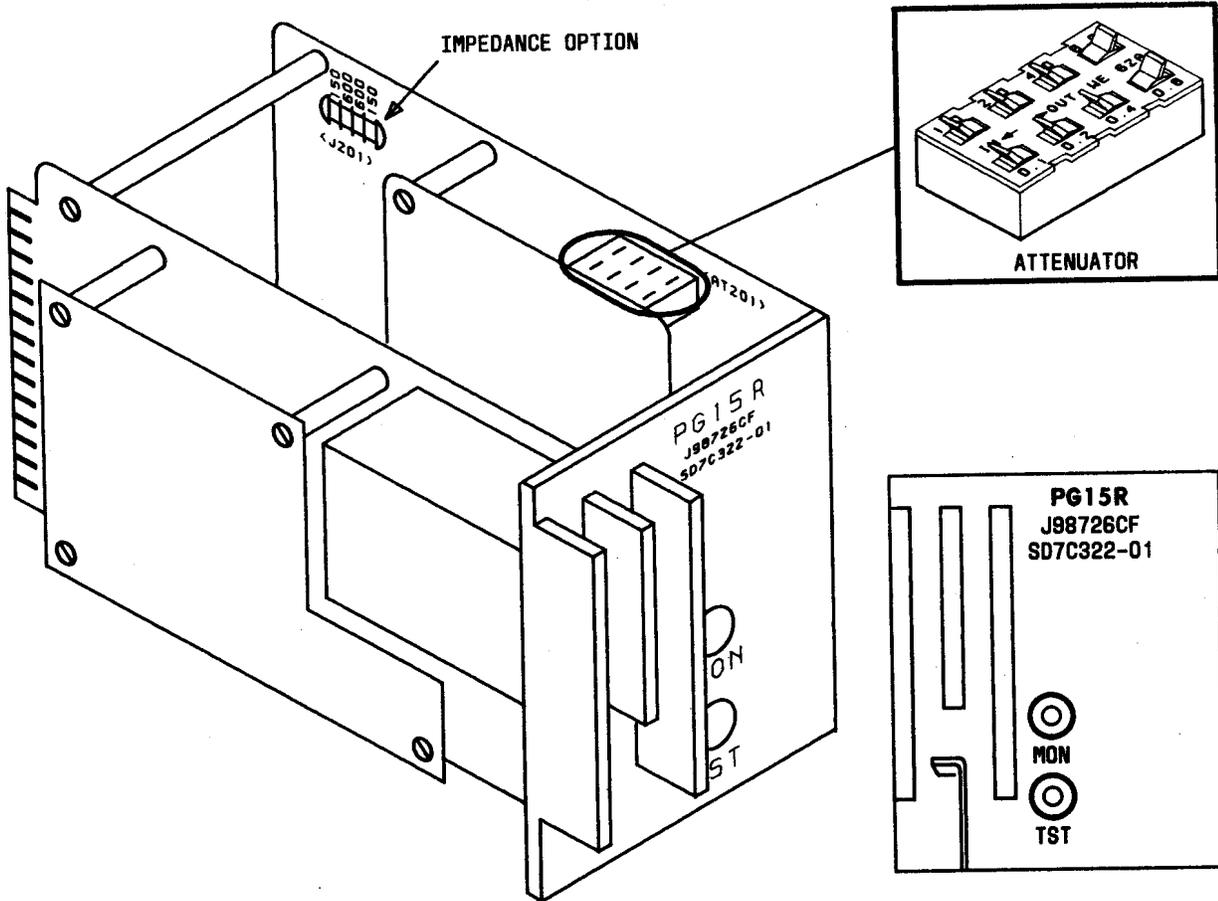


Fig. 2—J98726CF-1 Component Layout

ATTENUATOR: Eight rocker switches provide 0 to 16.5 dB of attenuation in steps of 0.1 dB. This accommodates an OUTPUT level of -7.4 VU point (-15.4 dB TLP) to +9.1 VU point (+1.1 dB TLP).

IMPEDANCE OPTION: This option provides a balanced output impedance of 150 or 600 ohms. For 150 ohms, insert both plugs into the two connector slots marked 150. For 600 ohms, insert both plugs into the two connector slots marked 600.

TEST (TST) JACK: This jack provides a splitting test access to the line and drop sides at the 0.0VU level point (-8.0 dB TLP).

MONITOR (MON) JACK: This jack allows for service monitoring at the -6.0 VU point (-14.0 dB TLP) using 600-ohm headphones.