46-TYPE DATA MOUNTINGS

IDENTIFICATION

1. GENERAL

1.01 This section provides the identification of the 46-type (46A1, 46B1, and 46C1) data mountings. These mountings provide housing and interface connections for multiple arrangements of data auxiliary set (DAS) 829-type and associated data units.

1.02 These data mountings are used to provide line termination as well as the interconnection of supplementary functions for alternate voice and dial backup service on 4-wire private line voiceband data channels.

1.03 The 46-type data mountings can be mounted in either a 19-inch or 23-inch cabinet.

2. DESCRIPTION

A. 46A1 Data Mounting

2.01 The 46A1 data mounting, shown in Fig. 1, consists of a nest capable of accepting a maximum of eight DAS 829-types (in any combination of DAS 829-A, 829-B, or 829-C) via eight 908L connectors.

2.02 The 46A1 data mounting provides:

- For interconnection to Bell System data sets such as the 201C, 202T, 208A, and 209A and customer-provided modems, in any combination not exceeding eight, via a single KS-16671-L10 connector plug, P1.

- For interconnection to either a 46B1 or 46C1 data mounting via the KS-16671-10 connector plug, P1.

- For interconnection to a maximum of eight 4-wire metallic voiceband facilities via a single KS-16673-L13 connector jack, J9.

- For interconnection to a maximum of eight manual loop-back keys via a single KS-16673-L13 connector jack, J10.

- An internal power supply and interconnection to 117 Vac via connector plug P2 and the 840339907 power cord assembly.

2.03 For connections to individual data sets, the KS-21253-L1 adapter can be used. This adapter concentrates the line connections to up to eight modems into one 50-pin connector, which can then be connected to the 46A1 data mounting via a B25A cable.

2.04 The KS-21253-L1 adapter can be mounted on the side of the 46A1 data mounting using a 194A backboard.

2.05 The dimensions of the 46A1 data mounting are 7 inches high, 19 inches wide, and 13-1/4 inches deep. The data mounting weighs approximately 20 pounds.

B. 46B1 Data Mounting

2.06 The 46B1 data mounting, shown in Fig. 2, consists of a nest capable of accepting a maximum of eight 48A1 data units via eight 908J10 connectors.

2.07 The 46B1 data mounting provides:

- For interconnection to Bell System provided data sets such as the 201C, 202T, 208A, and 209A and customer-provided modems, in any combination not exceeding eight, via a single KS-16671-L10 connector plug, P1.

- For interconnection to a 46C1 data mounting via the KS-16671-L1 connector plug, P1.

- For interconnection to a 46A1 data mounting via the KS-16673-L13 connector jack, J9.

- For interconnection to either the 830 or 2830 telephone set via the KS-16673-L13 connector jack, J10.

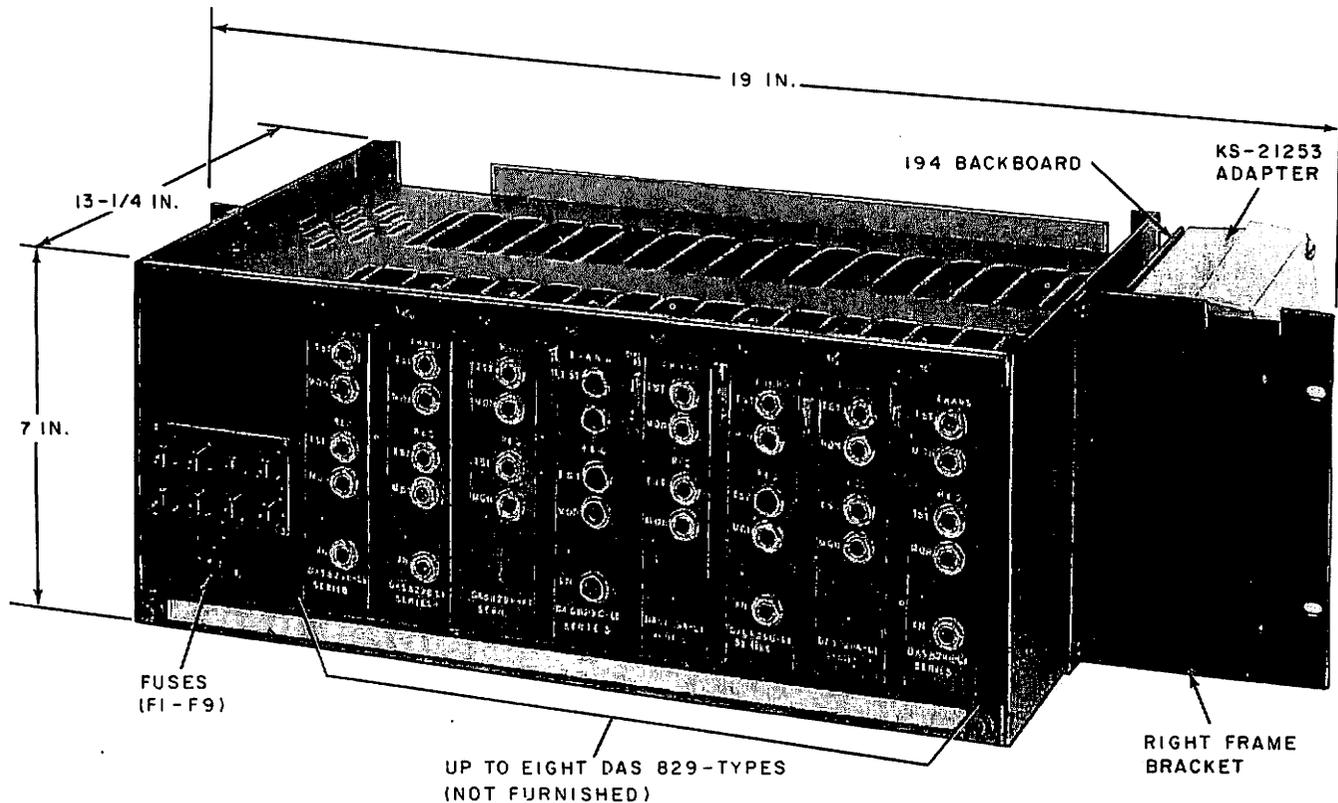- For interconnection to a 48D1 data unit via the KS-16673-L13 connector jack, J10.

Fig. 1—46A1 Data Mounting

● An internal power supply and interconnection to 117 Vac via connector plug P2 and the 840339907 power cord assembly.

2.08 The dimensions of the 46B1 data mounting are 7 inches high, 19 inches wide, and 13-1/4 inches deep. The data mounting weighs approximately 20 pounds.

C. 46C1 Data Mounting

2.09 The 46C1 data mounting, shown in Fig. 3, consists of a nest capable of accepting a maximum of two 48B1 data units and a maximum of six 48C1 data units via eight 908L connector jacks (J2 to J9).

2.10 The 46C1 data mounting provides:

● For interconnection only to Bell System provided data sets such as 201C, 202T, 208A, and 209A in any combination not exceeding 23, when the connections are concentrated to connectors P2, P3, and P4.

● For direct connection to up to three 46A1 data mountings containing up to a maximum of twenty-three 829-type data auxiliary sets via connectors J10, J11, and J12, for data-only service.

● For direct interconnections to up to three 46B1 data mountings containing a maximum of twenty-three 48A1 data units via connectors J10, J11, and J12 for alternate voice/data service.

● For direct interconnection to the 48D1 data unit via connector P1.

● For direct interconnection to two dial backup channels (four DDD loops) via connector J1 or via screw terminals T2A, R2A, T2B, R2B, T3A, R3A, T3B, and R3B.

2.11 The dimensions of the 46C1 data mounting are 7 inches high, 19 inches wide, and 13-1/4 inches deep. The data mounting weighs approximately 19 pounds.
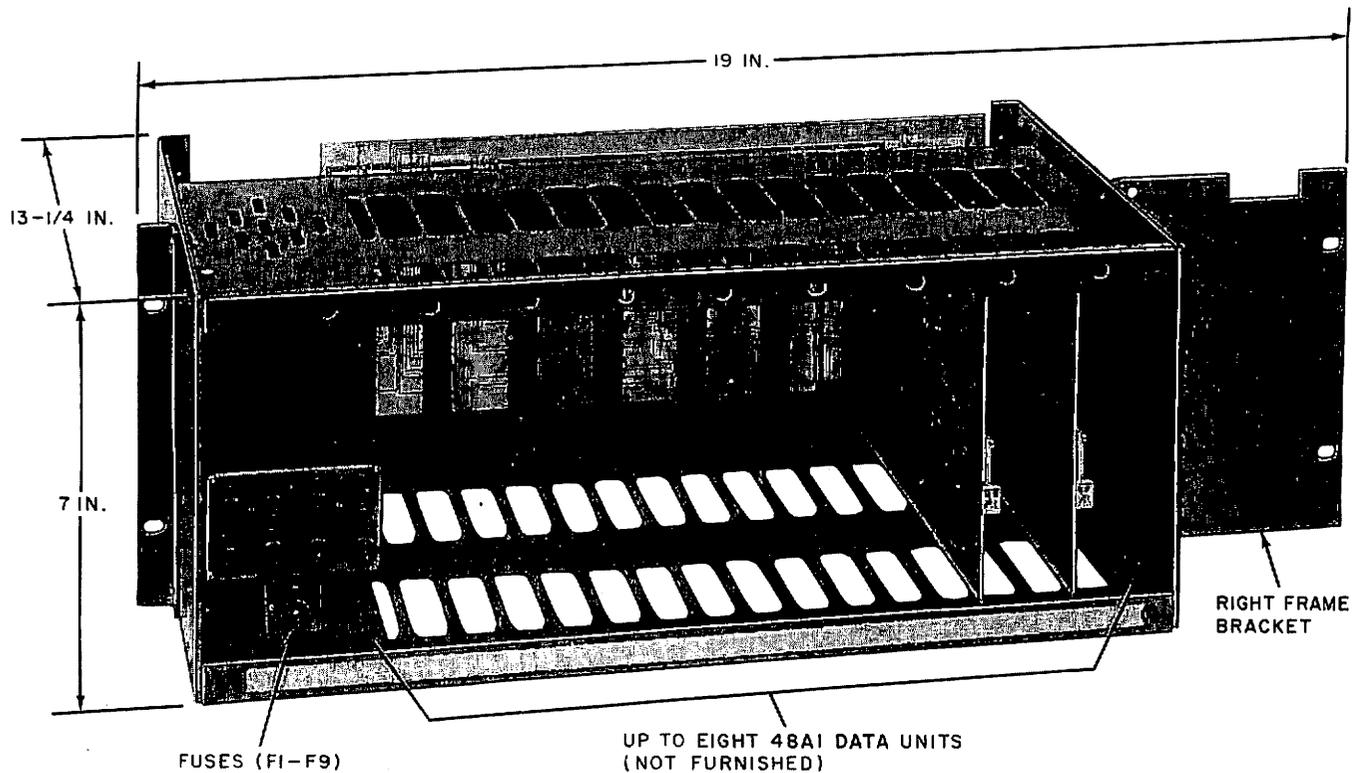
13-1/4 IN.

7 IN.

19 IN.

RIGHT FRAME
BRACKET

FUSES (FI—F9)

UP TO EIGHT 48A1 DATA UNITS
(NOT FURNISHED)

Fig. 2—46B1 Data Mounting

3. REFERENCES

3.01 More descriptive information on the 46-type data mountings may be found in the following Bell System Practices:

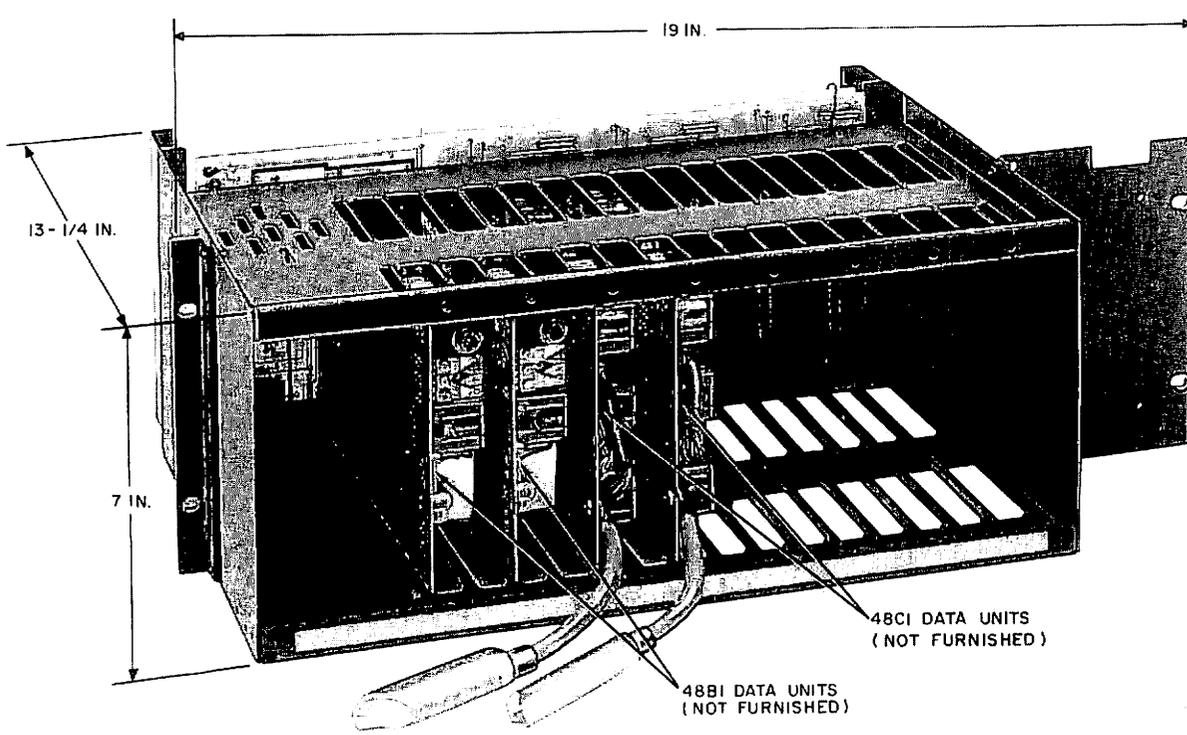| SECTION	TITLE
598-082-100	Data Auxiliary Set 829-Type—Channel Interface Units—Voiceband Private Line Channels—Description
598-082-101	Data Auxiliary Set 829-Type—Supplementary Functions for Voiceband Private Line Channels (Alternate Voice and Dial Backup)—Description

Fig. 3—46C1 Data Mounting