

**AN/ARC-102 Radio Set**

Status: STD-A; NSN: 5821-00-050-8255

Reference: TB 43-0123  
 TM 11-5821-248-12  
 TM 11-5821-248-35

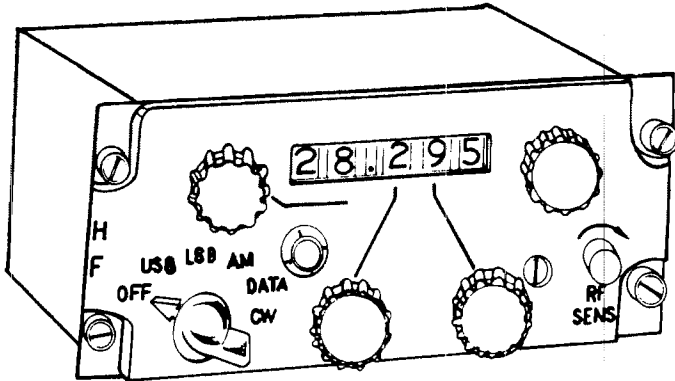
**General Information**

The AN/ARC-102 is an airborne, HF-AM receiver-transmitter which provides for transmission and reception of clear-voice, SSB, USB or LSB, CW, and data communications between air-to-ground and air-to-air stations.

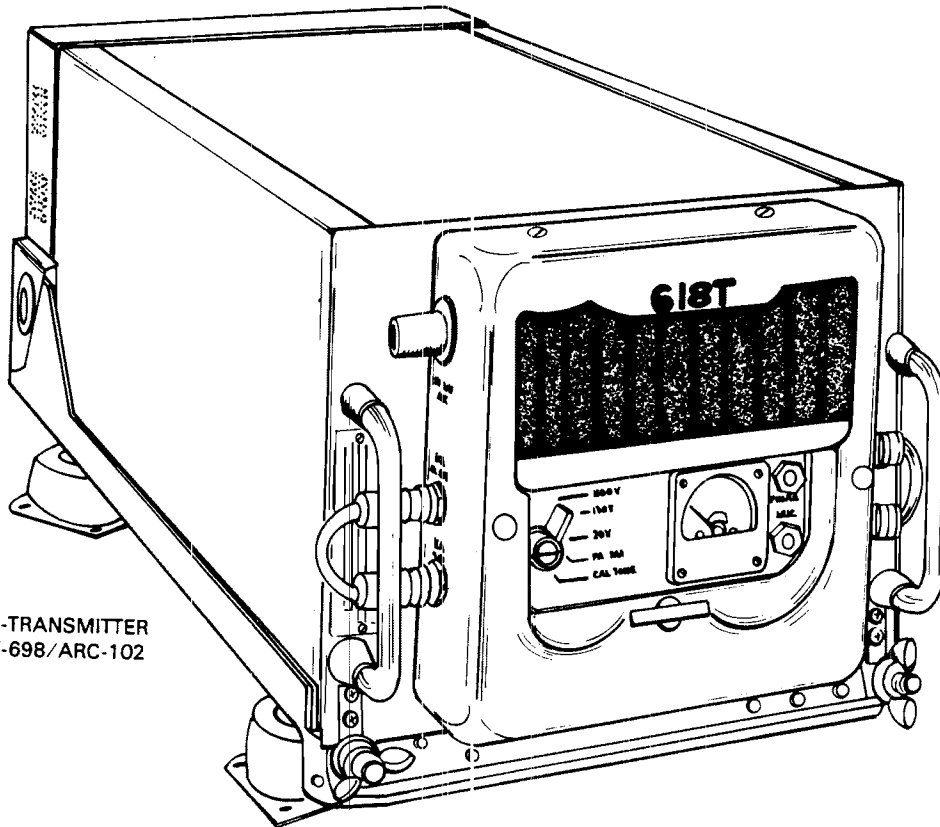
**Technical Characteristics**

Frequency Range-----	2.000 to 29.999 MHz
Planning Range-----	LOS (varies according to terrain features, atmospheric conditions, and altitude of aircraft)
Number of Channels-----	28,000
Power Input-----	27.5 V DC
Power Source-----	Aircraft power system
Power Output-----	SSB, 400 W PEP; AM, 100 W average; CW, 100 W average
Antenna-----	Wire, minimum length 13.7 m (45 ft), 52-ohm input and output
Tuning-----	Crystal, indirect synthesis
Type of Service-----	AM, 14K0A3E; CW, 14K0A3B; SSB, 6K30J3E
Weight-----	29.8 kg (65.5 lb)

### AN/ARC-102 Radio Set



CONTROL, RADIO SET  
C-3940/ARC-94



RECEIVER-TRANSMITTER  
RADIO RT-698/ARC-102