



TA-838A/TT
FIELD TELEPHONE SET

- RUGGEDIZED
- SOLID STATE
- DIGITAL COMPUTER CONTROLLED
- SEVEN OPERATIONAL MODES
- SELF TEST
- DIAGNOSTIC FAULT LOCATION
- MILITARY COMPONENTS
- LOW BATTERY POWER CONSUMPTION

FEATURES:

- Meets Requirements of U.S. Military Specification MIL - T - 49110 (EL).
- 4 Wire or 2 Wire Local or Common Battery Mode selection for Operation with AN/TTC-25, AN/TTC-38 (V) AN/TTC-39 or SB-3614 Switching Centers.
- Typical Operating Current of 300 ua On-Hook, 4 mA Ring and 1.8 mA Off-Hook Extends Useful Battery Life.
- Optional Automatic Tester Available for Precise Fault Location.
- Input Response and Output Tone Signal Generation are Digital Computer Controlled for Accuracy and Reliability.
- Voice and Signal Paths have Internal Self Checking Circuits.
- Component and Circuit Design, 4 Layer PC Board and Shielding Reduce Noise Generation and Susceptibility.

SPECIFICATIONS

OPERATIONAL SERVICE:

- 2 Wire, DC Supervision, DTMF Signal, CB.
- 2 Wire, DC Supervision, DTMF Signal, LB.
- 4 Wire, DC Supervision, DTMF Signal, CB.
- 4 Wire, DC Supervision, DTMF Signal, LB.
- 4 Wire, AC Supervision, (2250 Hz Seize, 2600 Hz Release) DTMF Signal, LB.
- 4 Wire, AC Supervision, (2250 Hz Seize, 2600 Hz Release) DTMF Signal, CB.
- Point to Point, 570 HZ Ring Burst, LB.

TECHNICAL DATA:

Input/Output Impedance	600 ohms Nominal.
Voice Frequency	300 to 3500 Hz.
DTMF Signaling	16 Key CCITT Standard.
Seize Signal	2250 Hz, -7 to -2 dBm.
Release Signal	2600 Hz, -7 to -2 dBm.
Point to Point Signal	570 Hz, -7 to -2 dBm.
Seize Acknowledge and Ring Detection	555 to 585 Hz, -24 dBm min.
Audible Alarm	900 to 3500 Hz, 77 dB re .0002 Dynes/cm ² min. at 3 ft. (9.2 meters).
Typical LB Current	300 ua On-Hook 5 mA ring 1.8 mA Off-Hook.
Battery Requirement	4.4 to 6.4 Volts (Four BA-42 or "C" Cells).
Operating Temperature Range	-35°F (to +66°F).
Applicable Environmental Specifications (Temperature, Altitude, Leakage Bounce, Shock Drop, Dust, Salt Fog, Fungus)	MIL-STD-810 C.
EMI	MIL-STD-461 A.
Overall Dimensions	6" High X 10" Deep X 6" Wide (15cm) X (25cm) X (15cm).
Weight	6.5 lbs. (3.2 Kg).

associated industries