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ECF-10

Equivalent Capacitance Fixture

100 Hz – 60 MHz

This Equivalent Capacitance Fixture is used for the verification and calibration of the active monopole antennas per the MIL-STD 461 standard.



Frequency Range: 100 Hz - 60 MHz

Antenna Factor: 0 dB

Impedance: 50 Ω

Pattern Type: omni-directional

Connector: BNC-Type, female

Mounting Base: 1/4 - 20 Thread, female

Features

- Frequency Range of 100 Hz to 60 MHz
- Equivalent Capacitance Substitution Method
- MIL-STD 461 Verification Testing
- Rugged Construction
- Three Year Warranty

The ECF-10 is a 10 pF capacitance fixture used for system checks and calibration of the active monopole antennas. One of the functions of the matching network is to convert the high impedance input of the antenna element to the 50 ohm impedance of the measurement receiver. The 10 pF capacitor ensures that the correct source impedance is present during the check.

NOTE: MIL-STD 461F prohibits the use of other types of calibration networks or voltage dividing fixtures. Stray capacitance may exist in such fixtures. THE ECF-10 is designed per SAE ARP 958 and can be used with MIL-STD 461E & MIL-STD 461F.