

#### GENERAL DESCRIPTION

The **RSS-1000** is a Field Test Simulator that radiates RF signals from its internal antenna to test the Radar Warning Receiver.

The RSS 1000 is an independent, manually operated portable simulator, and can operate on an internal battery or by external power.

The RSS 1000 is a small, lightweight unit that can be hand carried by a single person to the system under test.



#### TECHNICAL SPECIFICATION

**OUTPUT POWER:** +27 dBm

**ERP (EFFECTIVE RADIATED POWER):** TYPICALLY +35 dBm

**TRANSMISSION MODE:** PULSE TYPE

**FREQUENCY:** ANY FIXED FREQUENCY BETWEEN 0.5-18 GHz (To be defined by customer)

**PULSE WIDTH:** 1 MICRO-SECOND (Or other value - by customer requirement)

**PRI (PULSE REPETITION INTERVAL):** 2000 Hz (Or other value - by customer requirement)

**VOLTAGE SUPPLY:** INTERNAL NICKLE CADMIUM RECHARGEABLE BATTERY 12 VOLTS AND CAPACITY OF 2.5 AMPER/HOUR

**"POWER ON" LED:** INDICATING PROPER VOLTAGE SUPPLY TO THE INTERNAL CIRCUITS

**"RADIATING" LED:** INDICATING TRANSMISSION OF MICROWAVE ENERGY

**"LOW BATTERY" LED:** INDICATING THAT APPROXIMATELY 20 MINUTES ARE LEFT FOR OPERATION

**INTERNAL BATTERY CAPACITY:** 1 HOUR OF CONTINUOUS OPERATION TILL THE NEXT RECHARGING

**CHARGING CONNECTOR:** THREE PIN CIRCULAR CONNECTOR MS3470L-8-33S

**CHARGING PARAMETERS:** 12-18 VOLTS @ 250Ma.

**CHARGING MODE DURATION:** 12-14 HOURS

**OPERATING TEMPERATURE:** -20 - +50 DEG. CELSIUS

**DIMENTIONS:** 240 X 240 X 255 MM

**WEIGHT:** 7 Kg



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