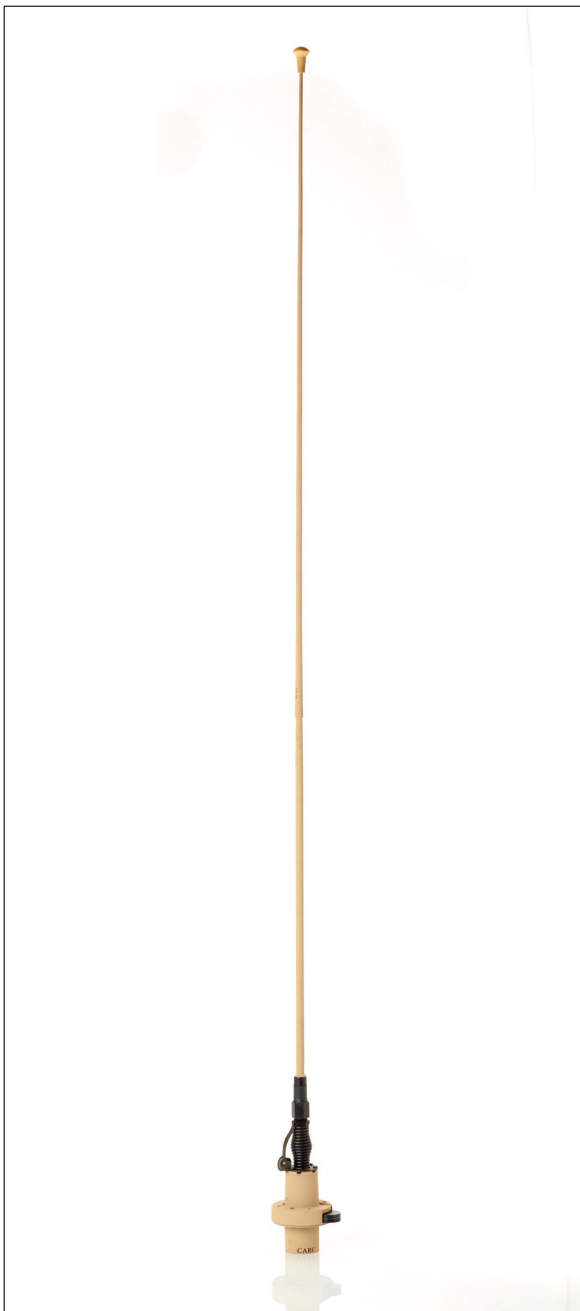


AS-3900A/VRC W/GPS

LOUD & CLEAR®



PRODUCT DESCRIPTION

Model Number	AS-3900A/VRC W/GPS
Part Number	RAMI390052 (Tan) RAMI390051 (Green)
NSN	Not Assigned
Market	Military-Land

The AS-3900A/VRC Antenna is the newest U.S. Army Vehicular Antenna System designed to perform with the SINCGARS Radio System. This version includes an Active GPS antenna element integral to the matching base unit. The antenna is a center-fed antenna which can withstand the application of 20,000 VRMS to its upper section and 10,000 VRMS to its center section without adverse effect to the antenna or the radio. The antenna is produced to U.S. Army CECOM Specification A3148018 and has successfully shown Nuclear Survivability. The antenna has also been used for back-up communications systems for ground-based installations which are also mobile such as SAM batteries like the Patriot. RAMI is the initial producer of the AS-3900/VRC as the prime sub-contractor to ITT Aerospace, Communications Division, the original SINCGARS prime contractor.

PRODUCT SPECIFICATIONS

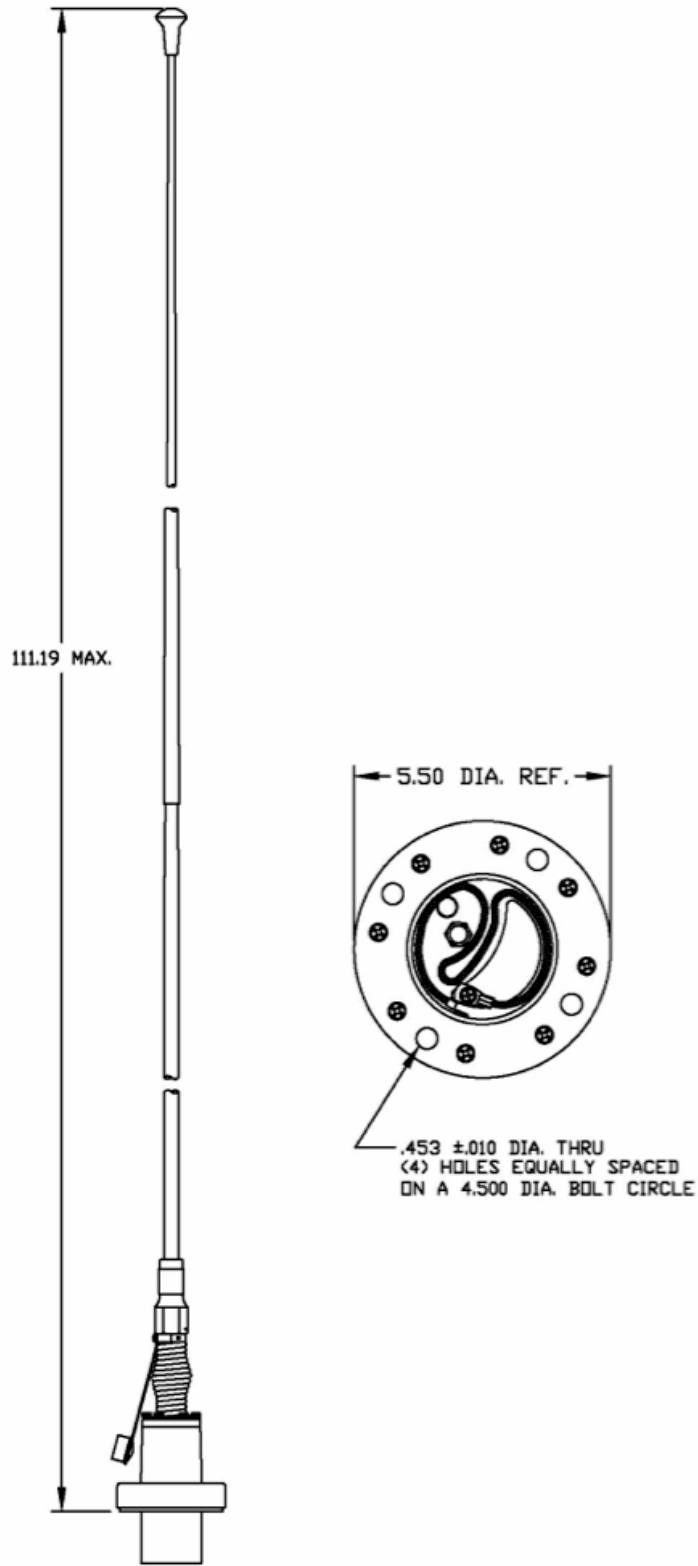
Application	Secure Communications, GPS Navigation
Frequency	30–88 MHz, 1575 ± 2 MHz (GPS)
Impedance	50 Ohms Nominal
VSWR	3.5:1 Maximum, 1.5:1 Maximum (GPS)
Polarization	Vertical, Right Hand Circular (GPS)
Pattern	Omni-Directional
Connector	“BNC” Female, “SMA” Female (GPS)
Max Weight	12 lbs.
RF Power Capacity	150 Watt CW
Gain	-7.6 dBmp @ 30 MHz to -1.1 dBmp @ 88 MHz, 28 dB @ 3 VDC (GPS)
Available Colors	CARC Green CARC Tan



The Antenna Professionals

AS-3900A/VRC W/GPS

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(not to scale)

