

RTB3010
LOUD AND CLEAR

PRODUCT DESCRIPTION

Part Number	RTB3010
NSN	Not Assigned
Market	Military - Land

This is a ruggedized multiband vehicular antenna which significantly reduces the number of antennas on the vehicle. The antenna operates with legacy radios for SINCGARS and EPLRS through new multiband radios such as the Side Winder radio. Multiple frequency inputs may be used simultaneously. The antenna is fully "oak beam" compliant.

PRODUCT SPECIFICATIONS

Application	Ground Based Communications
Antenna	VHF: Monopole UHF: Integrated Dipole L-Band: PCB Quad Dipole

Frequency	30-88 MHz 225-450 MHz 1200-2110 MHz
-----------	---

Impedance	50 Ohms Nominal
-----------	-----------------

VSWR	30-88 MHz: 3.0:1 Max. 225-450 MHz: 3.0:1 Max 1200-2110 MHz: 2.75:1 Max.
------	---

Port to Port Isolation	>40 dB
Polarization	Vertical

Pattern	Omni-Directional
---------	------------------

Connectors	"BNC" Female = 30-88 MHz "BNC" Female = 225-450 MHz "N" Female = 1200-2110 MHz
------------	--

RF Power Handling	VHF 75 Watts CW UHF 75 Watts CW L-BAND 75 Watts CW
-------------------	--

Peak Gain @ Horizon	30-88 MHz	-8.0 dBi to -3.0 dBi (On a 10' x 10' Ground Plane)
	225-450 MHz	0.0 dBi to +2.0 dBi
	1200-2110 MHz	+1.0 dBi
	1250-1350 MHz	+3.0 dBi
	1750-1850 MHz	+3.0 dBi

Max. Weight	11 lbs
-------------	--------

Available Colors	P/N: RTB3010G	CARC Green
	P/N: RTB3010T	CARC Tan
	P/N: RTB3010B	CARC Black

