

# High Gain Triband Vehicle Antenna

## HD921M

The HD921M is a high gain triband vehicle antenna that is particularly suited for communication and jamming applications in the GSM and 3G frequency bands.

- Unique electrical design
- Optimized performance for GSM and 3G frequency bands
- Rugged antenna construction with shock absorption spring



Product details*	
Frequency range	800 - 960 MHz 1710 - 1990 MHz 2110 - 2170 MHz
Matching	Passive
Polarization	Nominally vertical
Antenna type	Wideband dipole array
Radiation pattern	Omnidirectional ( $\pm 1.5$ dB)
Gain (typical)	3 dBi @ 800 - 960 MHz 4 dBi @ 1710 - 1990 MHz 4 dBi @ 2110 - 2170 MHz
VSWR	$\leq 2.5$
Nominal Impedance	50 $\Omega$
Power rating (RMS) **	115 W @ 800 - 960 MHz ( $P_{max1}$ ) 80 W @ 1710 - 1990 MHz ( $P_{max2}$ ) 75 W @ 2110 - 2170 MHz ( $P_{max3}$ )
Standard color	Black
Radiator	Radome protected
Height	605 mm
Weight	1.8 kg

Installation*	
RF connection	Female N-type
Mounting	4 hole US and 3/6 hole NATO pattern mount

\* Specific adjustments on request

\*\* Sum of input powers (P) should not exceed the limit of  $1 \geq P_1/P_{max1} + P_2/P_{max2} + P_3/P_{max3}$

Order number	NSN	Product
HD921M	5985 - 58 - 000 - 8334	Antenna as described above



**Accessory:** In combination with the MS1 (antenna mast mount) the antenna can also be used for mast mounting and other fixed installations.