

# Tunable Vehicular VHF/UHF Antenna

## TA3925M

The TA3925M is a tunable antenna with a steel whip radiator for the 30 to 512 MHz frequency band with optimized performance for the 30-90 MHz and 225-450 MHz bands. This low-profile antenna can be tuned by remote control to use the optimum matching circuitry at the required frequency. It thus provides superior gain performance over traditionally matched wideband antennas. The extremely fast tuning ability (based on PIN diode switching technology) makes the antenna suitable for most of the conventional modulation types.



- Low profile steel whip antenna with superior gain performance - optimized for the 30-90 MHz and 225-450 MHz bands
- Fast tuning to a new frequency band allows the antenna to be used in different kind of applications
- Supports also very wide transmission bandwidths

Product details*	
Frequency range	30 - 512 MHz
Matching	PIN diode based active matching
Polarization	Nominally vertical
Antenna type	Monopole (ground plane required)
Radiation pattern	Omnidirectional
Gain	Available on request
VSWR	≤ 3.5 (on optimized bands)
Nominal Impedance	50 Ω
Power rating	50 W (RMS)
Power supply	24 VDC, 5 W average
Tuning speed	< 30 μs
Standard color	Black
Radiator	Upper part: Steel whip (1500 mm) Lower part: Aluminium alloy with shock absorption spring
Height	1930 mm
Weight	3.3 kg

Installation*	
RF connection	Female N-type connector
Power and control	Circular MIL connector
Mounting	4-hole US pattern mount

\* Specific adjustments on request

Order number	
TA3925M	Antenna as described above