

# MV-40I/GPS

## COMBINED MOBILE ANTENNA MAGNETIC BASE

Mobile antenna with 5.15dBi gain, magnetic mounting base in the NMO standard with internal GPS antenna, includes connector and 5-meter long RG-58 coaxial cable. The antenna was specifically designed to provide better coverage in urban areas with high building density.

The antenna is entirely constructed from non-oxidizable materials and is characterized by the absence of a spring for articulating the radiating element, which has been replaced by a highly durable flexible polymer.

The antenna base, made of "Lexan," and the mounting structure for the radiating element have low reflectivity and excellent protection against UV radiation.

Partnumber	Model	Range	Connector
501568	MV-40I/GPS	138 / 174 MHz	UM-6
501568.2	MV-40I/GPS	138 / 174 MHz	QMA
501568.3	MV-40I/GPS	138 / 174 MHz	UM-1/7

ELECTRICAL SPECIFICATIONS	
VSWR	≤ 1,5:1
Polarization	Vertical
Nominal impedance	50 Ω
Maximum power	150 Watts
Gain	5,15 dBi
Coaxial cable	RG-58 (5 meters)

GPS ANTENNA - ELECTRICAL CHARACTERISTICS	
Frequency range	1575.42±1MHz
Polarization	Circular
Gain	28dBi ± 2dB
VSWR	2:1
Impedance	50 Ω
Supply voltage	2,2~5VCC
Current consumption	5~15mA
Coaxial cable	RF-174 (5 meters)

MECHANICAL SPECIFICATIONS	
Rod diameter	3 mm
Total length	1353 mm
Weight	0,838 Kg
Fixing	Magnetic base
Area exposed to wind	0,001282 m <sup>2</sup>
Resistant to winds	150Km/h
Basic material	Brass / lexan / Stainless steel



GUIDELINE CUTTING CHART			
MHz	"L" mm	MHz	"L" mm
138	1356	159	1118
141	1318	162	1086
145	1270	165	1054
147	1248	168	1026
150	1216	171	997
153	1181	174	969
155	1159		