

HP 7000 C

HP 7000

UHF 70cm Radialess Mobile Antennas

HP 7000 C



HP 7000

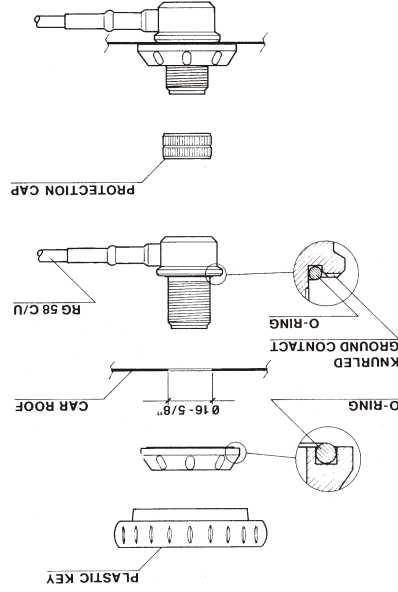


Installation Manual

ALTERNATIVE MOUNT TYPE

HP-AC/U angular connector:

Frequency Range: from DC to 500 MHz
Overall Size: Ø 41 mm
Mounting Hole: Ø 16 mm
Materials: Brass nichel plated, PTFE insulator, Gold plated pin
Cable: 5m RG 58 C/U MIL-C-17F / FME-female
Adaptor: FME-male/ UHF-male (PL259)
Antenna connection: UHF-female



HP MAG H 12 PL:

Frequency Range: from DC to 500 MHz
Overall Size: Ø 92 mm
Materials: Ferrite magnet, Chromed Brass, Nylon, PTFE insulator, Gold plated pin
Cable: 3.6 m RG 58 C/U MIL-C-17F / FME-female
Adaptor: FME-male / UHF-male (PL259)
Antenna connection: UHF-female



P/N 2511802.05 HP MAG H 12 PL

HP MAG 125 PL:

Frequency Range: from DC to 500 MHz
Overall Size: Ø 127 mm
Materials: Ferrite magnet, Chromed Brass, Nylon, PTFE insulator, Gold plated pin
Cable: 3.6 m RG 58 C/U MIL-C-17F / FME-female
Adaptor: FME-male / UHF-male (PL259)
Antenna connection: UHF-female



P/N 2511202.05 HP MAG 125 PL



HI-QUALITY ANTENNAS MADE IN ITALY

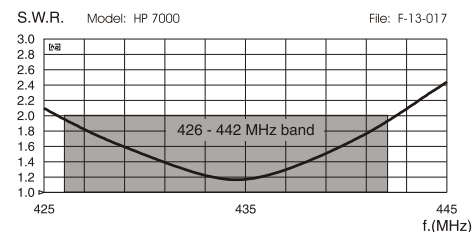
DESCRIPTION

UHF radialless vehicular antenna working on 70cm band. The very best materials have been used to guarantee the maximum strength and the best performance. The whip, made of 17/7 PH stainless steel, has an inclination system that allows the 90° tilting without using keys or tools. Also a particular attention has been paid to the UHF-male connector with a gold plated center pin, PTFE insulator and silicone rubber gasket for a perfect waterproofing.

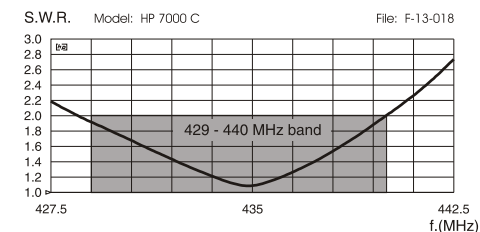
SPECIFICATIONS

Electrical Data	HP 7000	HP 7000 USA	HP 7000 C	HP 7000 C USA
Type	5/8 λ		2 x 5/8 λ	
Frequency Range	426 - 442 MHz @ SWR ≤ 2	437 - 453 MHz @ SWR ≤ 2	429 - 440 MHz @ SWR ≤ 2	439 - 451 MHz @ SWR ≤ 2
Impedance	50 Ω			
Radiation (H-plane)	360° Omnidirectional			
Polarization	Linear Vertical			
Gain	2 dB ref. to $\lambda/4$ whip		5 dB ref. to $\lambda/4$ whip	
Max Power (CW) @30°C	100 Watts			
Grounding Protection	All metal parts are DC-grounded, inner conductor is coupled capacitively			
Connector	UHF-male (PL 259)			
Mechanical Data				
Materials	Stainless steel 17/7 PH, Nylon, Chromed Brass			
Height (approx.)	435 mm		990 mm	
Weight (approx.)	250 gr		320 gr	

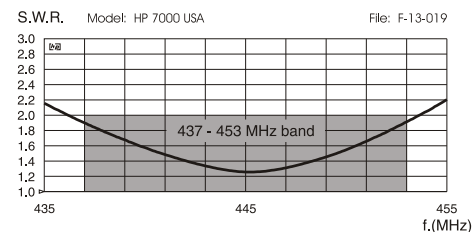
TYPICAL S.W.R. RESPONSE



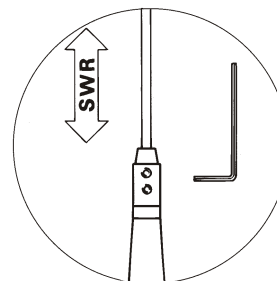
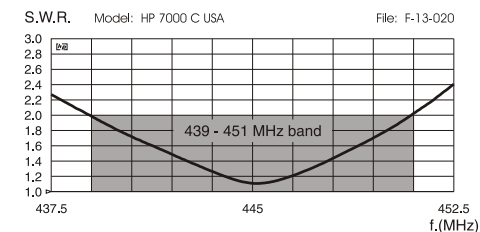
TYPICAL S.W.R. RESPONSE



TYPICAL S.W.R. RESPONSE



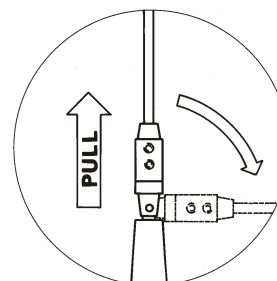
TYPICAL S.W.R. RESPONSE



ADJUSTMENT

ADJUSTMENT: all SIRIO HP Antennas are factory adjusted and no additional tuning is usually required. However, if the center frequency needs to be changed, please follow these simple directions:

1. Release the allen-screws on the whip using the supplied key
2. Move the whip in or out as needed to obtain a low SWR at your preferred frequency range.
3. After tuning, re-tighten the allen-screws to lock the whip.



TILTING

TILTING: all SIRIO HP Antennas have an inclination system that allows the 90° tilting without use keys or special tools.

