

UHF MOBILE ANTENNA 2X5/8 WAVE NMO BASE

AP8250

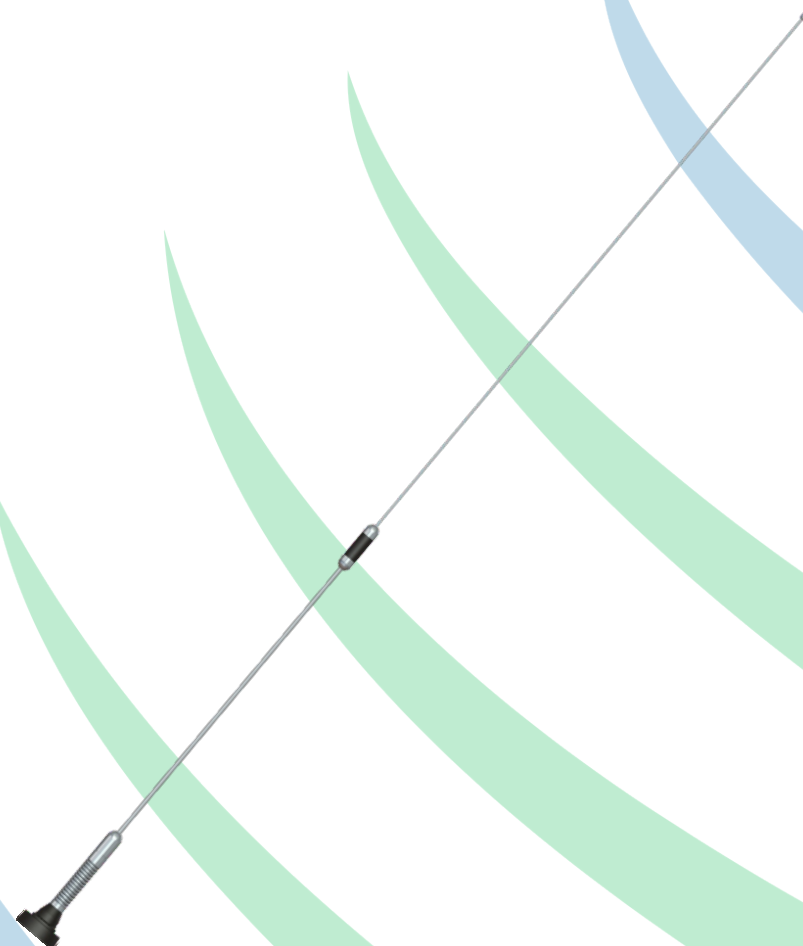


Av. Cidade Fukuyama, 725 - CEP 19064-210 - Presidente Prudente - SP

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UHF MOBILE ANTENNA 2X5/8 WAVE NMO BASE

TECHNICAL DATA

The **AP8250** is an antenna designed to operate in the UHF band (360-530 MHz) with 2x5/8 wave and a center coil. It is made of chrome-plated brass, stainless steel, high-quality zamac, UV-protected polymer and high-deformation rubber resistant to ozone, weather and chemicals. It uses the Whip (NMO) mounting standard and can be fitted to car roofs or similar locations whose flat metal area has a radius of at least 1/4 wave plus 5% at the frequency of interest. The spring at the base gives the assembly greater mechanical strength, providing a product with excellent cost-effectiveness.

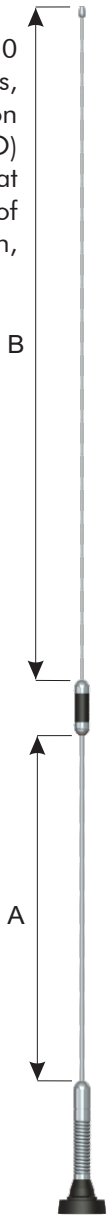
IMPORTANT: For best results, always use an SWR meter (WATTMETER). The reflected signal must not exceed 1,5:1 or 4% of the forward power.

ATTENTION: For every whip cutting length in the table alongside, allow for the fitting into the tips. For whip (A) add + 42 mm and for whip (B) add + 17 mm, as the lengths given refer to the antenna assembled as shown in the figure alongside.

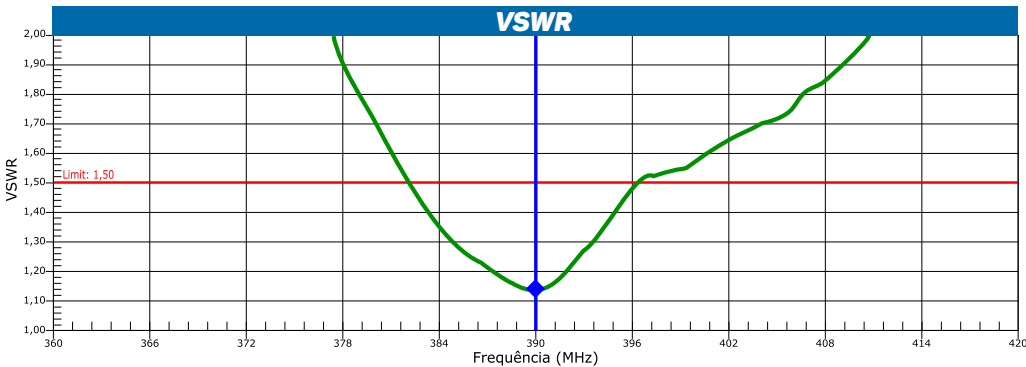
SPECIFICATIONS	
FREQUENCY	360 - 530 MHz
MAXIMUM POWER	100 W
BANDWIDTH	10 MHz
IMPEDANCE	50 Ω
VSWR	≤ 1,5:1
GAIN	8,15 dBi
HEIGHT	1045 mm
WEIGHT	186 g

TUNING TABLE		
Frequency (MHz)	Length (mm)	
	A + 42mm	B + 17mm
360	265	588
370	265	555
380	265	530
390	265	503
400	265	480
410	265	458
420	265	435
430	265	415
440	265	394
450	255	385
460	255	368
470	255	349
480	255	340
490	255	328
500	255	308
510	255	290
520	255	277
530	255	266

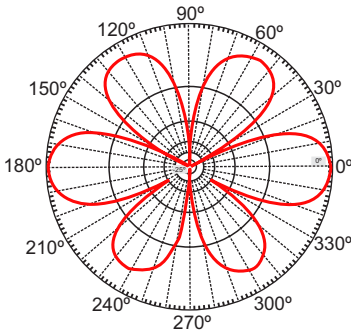
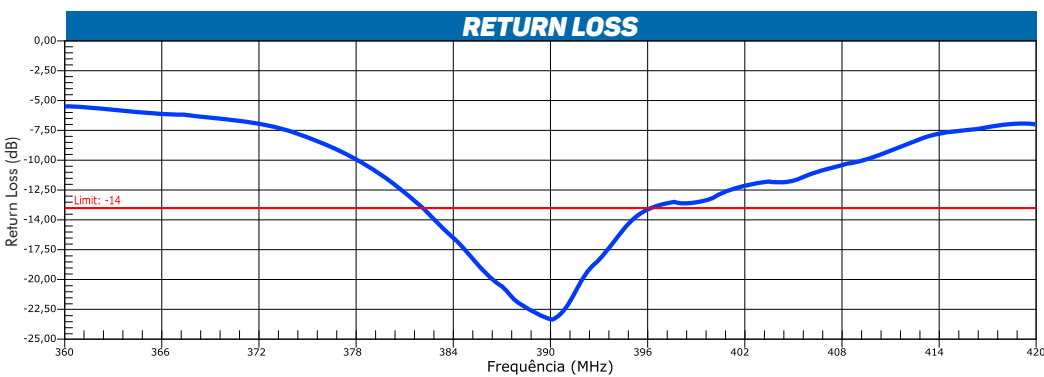
A 2mm Allen key is required to adjust the antenna (not included).



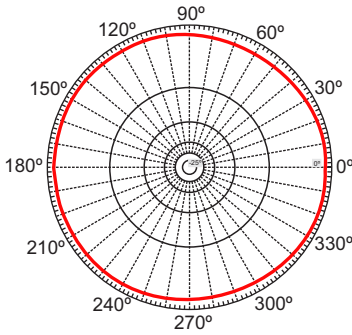
EXAMPLE: VSWR chart of a AP8250 antenna tuned to 390 MHz.



EXAMPLE: Return Loss chart of a AP8250 antenna tuned to 390 MHz.



Vertical



Horizontal