

UHF FULL BAND MOBILE ANTENNA MAGNETIC BASE 2 COILS

AP4052 - AP4053



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

www.steelbras.com.br



25/06/2025



steelbras[®]
soluções em antenas

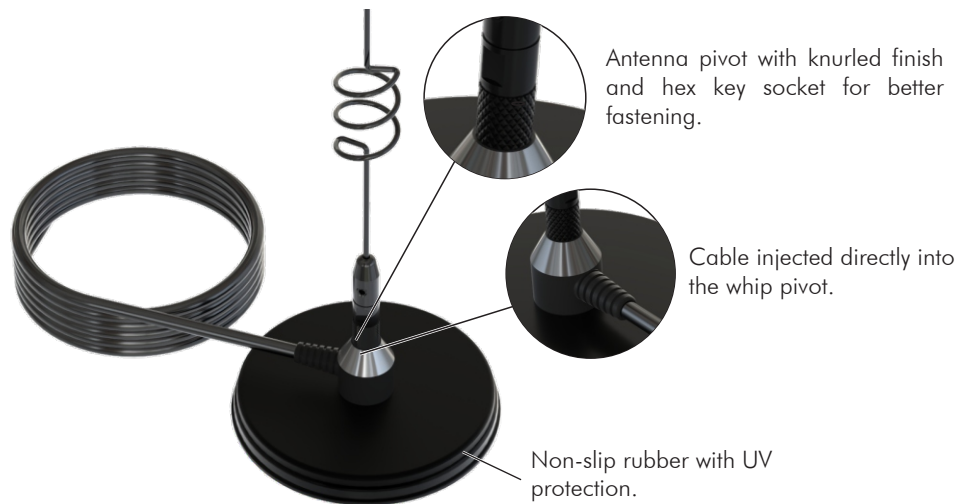
UHF FULL BAND MOBILE ANTENNA MAGNETIC BASE 2 COILS

This antenna optimizes equipment performance for mobile communication systems in the GSM (850-900 MHz and 1800-1900 MHz), 3G (850- 900 MHz, 1700-1900 MHz and 2000-2100 MHz), 4G (700-900 MHz, 1800-2000 MHz and 2500-2700 MHz) and 5G (700 MHz, 2300-2400 MHz and 3300-3700 MHz) bands with $VSWR \leq 2:1$. This antenna also serves communication systems operating in the ISM band, such as LoRa (902-908 MHz and 915-928 MHz), Zigbee (2400-2500 MHz), Wi-Fi (2400-2500 MHz), Bluetooth (2400-2500 MHz) and even applications reaching up to 3GHz. The product is compatible with all trackers and all mobile carriers. It is ideal for portable stations, offering versatility and excellent cost-effectiveness. It is made of stainless steel, polished brass and UV-protected polymer. The cable is built directly into the antenna base and the rod is flexible, allowing use under severe conditions. On top of all this, it has a galvanized steel magnetic base with black epoxy paint, whose magnetic pull can hold up to 14Kg. A non-slip UV-protected rubber completes the base assembly.

This antenna is available in the following versions:

AP4052 - UHF Full Band Magnetic Mobile Antenna 2 Coils, male SMA conn.

AP4053 - UHF Full Band Magnetic Mobile Antenna 2 coils, reverse male SMA conn.



TECHNICAL DATA

SPECIFICATIONS

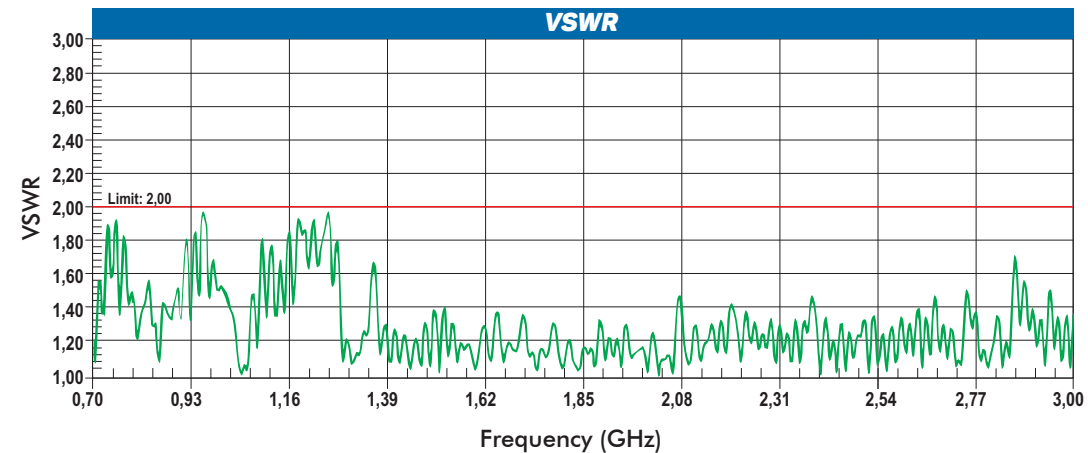
FREQUENCY	700 - 3000 MHz
MAX GAIN	7,15 dBi
PATTERN	Omnidirectional
POLARIZATION	Linear Vertical 50
MAXIMUM POWER	W
IMPEDANCE	50 Ω
VSWR	$\leq 2,0:1$
HEIGHT	450 mm
WEIGHT	568 g
CABLE	5 m

IMPORTANT

The antenna must be installed on a flat metal surface with a radius of at least 1/4 wave plus 5% at the desired frequency. For best results, always use a VSWR meter (WATTMETER). The reflected signal must not exceed 2,0:1 or 11% of the forward power.

EXAMPLE:

See below the VSWR chart of the AP4052 antenna.



¹Steelbras Antenas reserves the right to make technical changes to the data in its datasheets without prior notice.

²This antenna does not require ANATEL Certification and Approval, under Act No. 7280, of 26 September 2020.