

2 dB Mobile GlassFix® Antenna for the 450 MHz Band

DESCRIPTION

- colinear, 2 dB mobile antenna for the 450 MHz band using the GlassFix® mounting principle.
- Mounting on car window glass – no holes required.
- Double-adhesion procedure ensures fast and reliable fixing.
- Internal matching unit feeds external antenna through window glass.
- Half-wave collinear design – no ground plane required.
- High positioning gives performance equal to conventionally mounted car roof antenna.
- FME FastCabling system (cable to be ordered separately).
- Simple tuning procedure by means of tuning screw on matching unit.
- Easily removable whip for cleaning in car-washing machine
- Swivel joint for 180° angle adjustment.
- If removal of antenna installation is necessary, a quick dismantling procedure leaves no trace of the installation.

NOTE

GF antennas are not suitable for car models with windows having heat reflective coating.



ORDERING

Type	Product No.	Frequency
GF 402/s	Replaced by GF 404/s (130000786)	380 ... 410 MHz
GF 402/l	130001885	406 ... 440 MHz
GF 402/h	130000781	430 ... 470 MHz

SPECIFICATIONS

Electrical	
Model	GF 402/...
Frequency	450 MHz-band covered by two tunable models
Antenna Type	Collinear mobile GlassFix® antenna
Polarisation	Vertical
Impedance	50 Ω
Maximum Input Power	25 W
Gain (EIA RS-329-1)	2 dB
Mechanical	
Materials	Whip: Black-chromed stainless steel Mount and indoor unit: Weather- and shockproof plastics, Corrosion-safe and corrosion-protected metals
Cable	FME-cable to be ordered separately
Colour	Black
Height	580 mm / 22.83 in.
Weight	0.09 kg / 0.20 lb
Mounting	On car windows with silicone glue (52 mm x 47 mm obstruction-free mounting area required)
Glass Thickness	2.5 - 7 mm / 0.10 - 0.28 in.

DIAGRAM

FME-SYSTEM ACCESSORIES



For further information about other types of FME-cables and FME-connectors, please compare the cable and connector data sheets under accessories.

2. INSTALLATION

<p>1. Clean both sides of the windscreen, where the antenna mount and the matching unit are to be fitted, and then remove the protective foil from the antenna mount.</p>	<p>2. Fit mount to screen and press firmly. Apply glue along the edge between mount and glass.</p>
<p>3. Apply glue to the cover.</p>	<p>4. Fit the cover and press down firmly. The antenna whip can now be fitted.</p>
<p>5. Remove the protective foil on the matching unit.</p>	<p>6. Fit matching unit by pressing it firmly into position. Secure cable using clips provided.</p>

Do not use sealer on rubber gasket or other places.

REINSTALLATION KIT



A reinstallation kit including all necessary parts for transfer of the antenna to another vehicle is available under order No. »GF-RK« (130000329).

SAFETY PRECAUTIONS



Antennas mounted on the windscreen may cause relatively high field strengths in the passenger cabin and near the dashboard_x000d_x000d_1. To prevent health hazard due to RF radiation, persons must not be closer than 30 cm to the antenna whip (transmitter output

ASSEMBLY DETAILS

