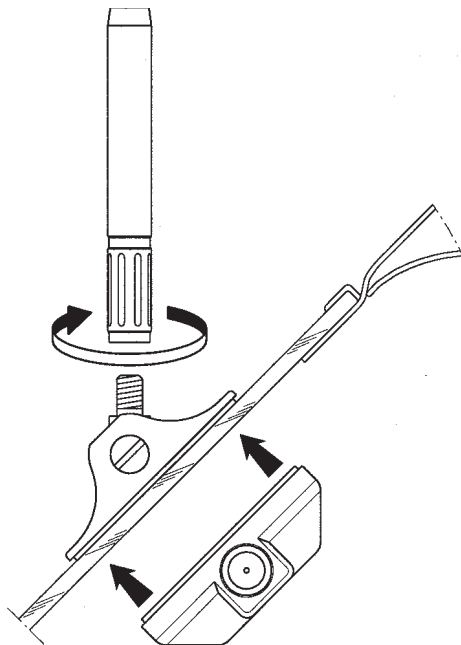


## MOUNTING INSTRUCTIONS

**2.** Repeat the above mentioned instructions to fit the coupling-box at the inside window; but you have to pay attention to the coupling-box that must coincide with the outside mount profile.

**3.** Screw the FME connector at the coupling-box.

**4.** As the final stage of your installation, screw the whip at the mount joint; lock the joint by using a screw-driver and keep the whip in a vertical position.



## Model TG 819, TG 918

*On-Glass Dual-Band Antenna*  
(TG 819: AMPS & PCS. TG 918: GSM 900 & 1800)



## Installation Manual

## DESCRIPTION

TG 918 and TG 819 are a dual-band mobile antennas conceived for cellular system working on GSM 900 & 1800 MHz (TG 918) or AMPS & PCS (TG 819). The whip can be easily adjusted in vertical position and can be detached for car-washes access. It is made of 17/7 PH stainless steel protected by a thermoplastic material. The box made of ABS is screened and has a printed circuit in Microstrip technology. The 3M VHB adhesive supplied guarantees a perfect adherence in bad atmospheric conditions too.

## SPECIFICATIONS

### Electrical Data

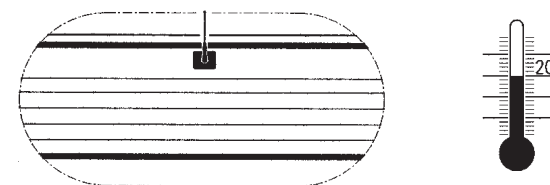
Type	:	$1/4 \lambda$ at both bands
Frequency Range	:	
TG 819	:	824-894 MHz (AMPS) & 1.85-1.99 GHz (PCS)
TG 918	:	880-960 MHz (GSM 900) & 1.71-1.88 GHz (GSM 1800)
Impedance	:	50 $\Omega$ Unbalanced
Radiation	:	Omnidirectional
Polarization	:	Vertical
Gain (both models)	:	0 dB ref. to $\lambda/4$ whip on glass at both bands
V.S.W.R.:	:	
TG 819	:	AMPS TX band (824-849 MHz) $\leq 1.7:1$ AMPS RX band (869-894 MHz) $\leq 2.4:1$ PCS (1.85-1.99 GHz) $\leq 2.2:1$
TG 918	:	GSM 900 band (880-960 MHz) $\leq 2:1$ GSM 1800 band (1.71-1.88 GHz) $\leq 1.8:1$
Max Power	:	10 Watts
Coupling box Connection	:	FME Male

### Mechanical Data

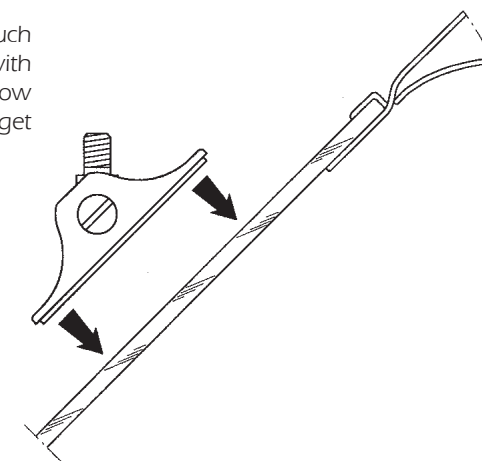
Materials	:	Stainless steel 17/7 PH, Chromed brass, ABS
Height (approx.)	:	100 mm
Weight (approx.)	:	50 gr
Mounting	:	"On-Glass"

## MOUNTING INSTRUCTIONS

- **NOTE:** It is recommended the installation of this antenna on the vehicle rear window in a central position, far from the window thermic wires. Moreover, we suggest to clean carefully the glass surface and to proceed with the installation at temperature of 20° C.



1. Remove the protective film avoiding to touch the adhesive with your hands; proceed with the assembling of the mount on the window pressing uniformly on its whole surface to get a perfect adhesion.

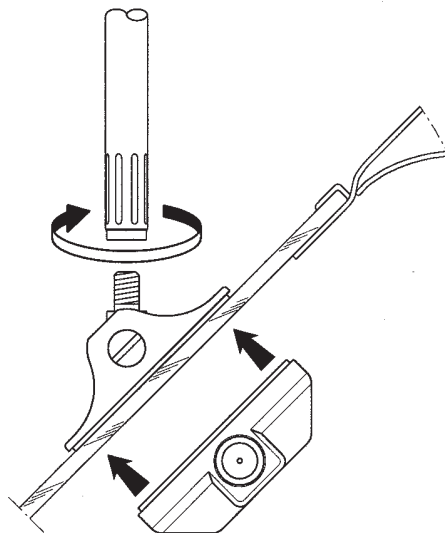


## MOUNTING INSTRUCTIONS

**2.** Repeat the above mentioned instructions to fit the coupling-box at the inside window; but you have to pay attention to the coupling-box that must coincide with the outside mount profile.

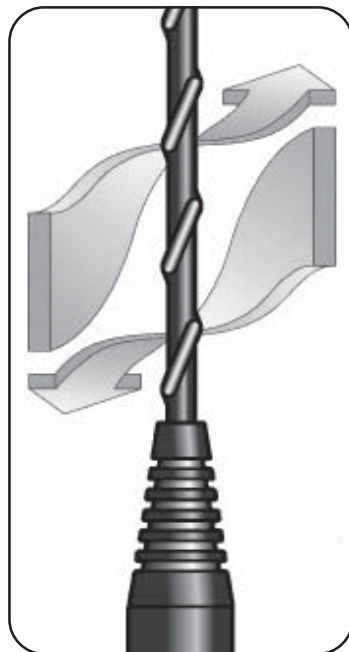
**3.** Screw the FME connector at the coupling-box.

**4.** As the final stage of your installation, screw the whip at the mount joint; lock the joint by using a screw-driver and keep the whip in a vertical position.



### Anti-noise system

Our exclusive anti-noise design produces air movement around the whip, virtually eliminating wind noise.



## **TG 918 C** **GDD series** *On-Glass Dual-Band UHF Antenna (GSM/DCS-PCN)*



## *Installation Manual*

## DESCRIPTION

Dual-band mobile antenna conceived for GSM and DCS/PCN 1.8 GHz cellular system working on 880-960 MHz and 1710-1880 MHz. The whip can be easily adjusted in vertical position and can be detached for car-washes access. It is made of 17/7 PH stainless steel protected by a thermoplastic material. The box made of ABS is screened and has a printed circuit in Microstrip technology. The 3M VHB adhesive supplied guarantees a perfect adherence in bad atmospheric conditions too.

## SPECIFICATIONS

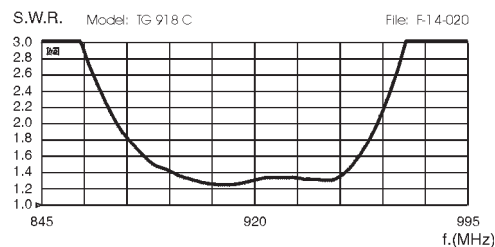
### Electrical Data

Type	:	1/4 $\lambda$ + 5/8 $\lambda$ Colinear at 900 MHz 1/4 $\lambda$ at 1800 MHz
Frequency Range	:	880-960 MHz (GSM 900) 1710-1880 MHz (GSM 1800, DCS/PCN 1.8)
Impedance	:	50 $\Omega$ Unbalanced
Radiation	:	Omnidirectional
Polarization	:	Vertical
Gain	:	3 dB ref. to $\lambda/4$ whip on glass at 900 MHz 0 dB ref. to $\lambda/4$ whip on glass at 1800 MHz
Bandwidth	:	GSM: Tx 880-915 MHz; Rx 925-960 MHz DCS/PCN 1.8: Tx 1710-1785 MHz; Rx 1805-1880 MHz
V.S.W.R.:		
Tx band (880-915 MHz)	:	$\leq 1.7 : 1$
Rx band (925-960 MHz)	:	$\leq 2.0 : 1$
Tx band (1710-1785 MHz)	:	$\leq 1.4 : 1$
Rx band (1805-1880 MHz)	:	$\leq 2.7 : 1$
Max Power	:	10 Watts
Coupling box Connection	:	FME Male

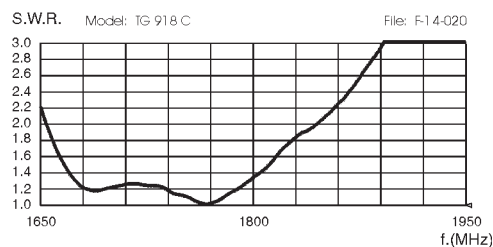
### Mechanical Data

Materials	:	Stainless steel 17/7 PH, Chromed brass, ABS
Height (approx.)	:	355 mm
Weight (approx.)	:	65 gr
Mounting	:	"On-Glass"

TYPICAL S.W.R. RESPONSE



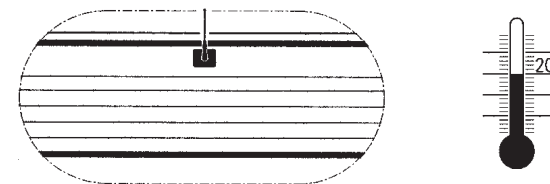
TYPICAL S.W.R. RESPONSE



ID278

## MOUNTING INSTRUCTIONS

- **NOTE:** It is recommended the installation of this antenna on the vehicle rear window in a central position, far from the window thermic wires. Moreover, we suggest to clean carefully the glass surface and to proceed with the installation at temperature of 20° C.



1. Remove the protective film avoiding to touch the adhesive with your hands; proceed with the assembling of the mount on the window pressing uniformly on its whole surface to get a perfect adhesion.

