Internal Glass Mount Antenna

EF [UHF] Series

PANORAMA ANTENNAS

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EF [UHF] Series

- Covert application
- No-hole installation
- Can be removed without a trace

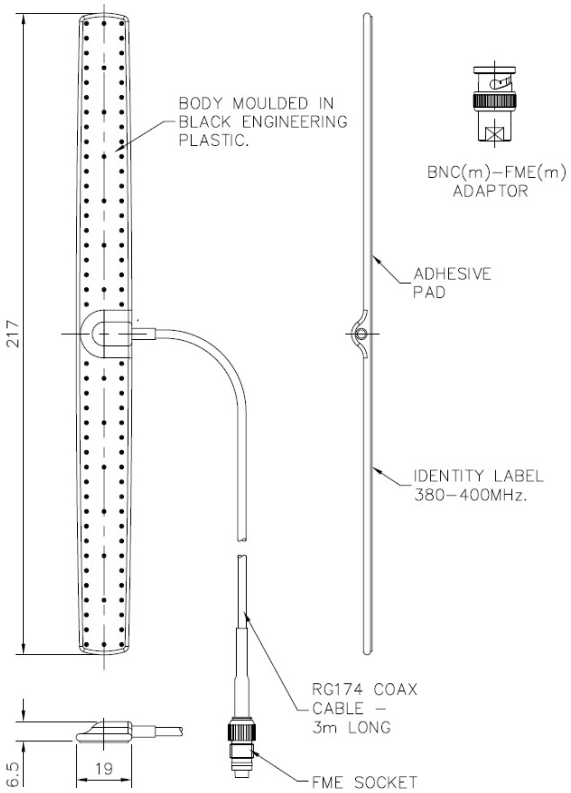
The EF series UHF internal glass mounting antenna provides a low visibility antenna solution for discreet and covert installations or simply where a simple adhesive fitment is desired.

The antenna tuning is optimised to match a range of different automotive glass types to provide consistent performance in a wide range of vehicles and mounting positions.

With a flexible form factor, the antenna will adapt to the curvature of the glass and is easy to install with the pre-fitted automotive grade adhesive pad. The antenna is completely over-moulded for durability and sealed connection of the supplied high-quality RG174 coaxial cable, which allows the fitment of a wide range of connectors.

Technical Drawing

EF-S1-3BL Shown



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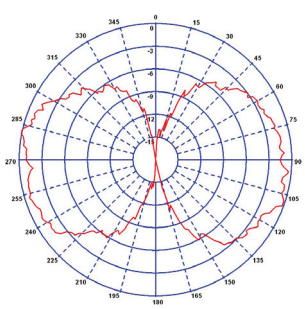
Product Data

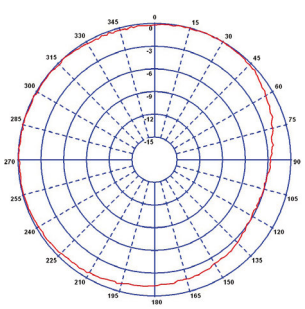
Part No.		EF-S1	EF-S2	EF-442	EF-460	EF-486
Electrical Data						
Frequency Range (MHz)		380-400	410-430MHz	420-465MHz	450-470MHz	458-515MHz
Peak Gain: Isotropic				2dBi		
Compared to ¼ wave				0dB		
Typical VSWR*				<2:1		
Polarisation				Vertical		
Pattern				Omni-directional		
Impedance				50Ω		
Max Input Power (W)				20		
Mechanical Data						
Dimensions (mm)	Length			217 (8.5”)		
	Width			19 (0.7”)		
	Depth			6.5 (0.25”)		
Operating Temp (°C)				-40° / +80°C (-40°-176° F)		
Material				TPE		
Colour				Black		
Mounting Data						
Fixing				Internal glass mount		
Material				Acrylic adhesive pad		
Colour				Black		
Cable Data						
Type				RG174		
Diameter (mm)				2.8 (0.1”)		
Length (m)				3 (10’) or 5 (16’)		
***Connector Configurations | 3m Variants**						
BNC (adaptor)		EF-S1-3BL	EF-S2-3BL	EF-442-3BL	EF-460-3BL	EF-486-3BL
TNC (adaptor)		EF-S1-3TL	EF-S2-3TL	EF-442-3TL	EF-460-3TL	EF-486-3TL
FME (fitted)		EF-S1-3F	EF-S2-3F	EF-442-3F	EF-460-3F	EF-486-3F
***Connector Configurations | 5m Variants**						
BNC (adaptor)		EF-S1-5BL	EF-S2-5BL	EF-442-5BL	EF-460-5BL	EF-486-5BL
TNC (adaptor)		EF-S1-5TL	EF-S2-5TL	EF-442-5TL	EF-460-5TL	EF-486-5TL
FME (fitted)		EF-S1-5F	EF-S2-5F	EF-442-5F	EF-460-5F	EF-486-5F

Pattern

Typical E-Plane (390MHz)

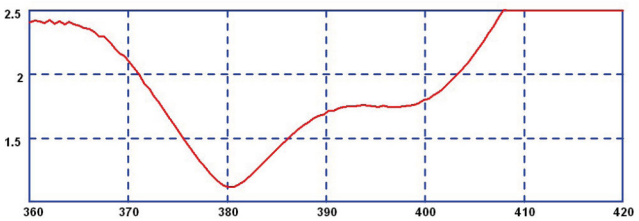


Typical H-Plane (390MHz)



Electrical Data

Typical VSWR* - EF-S1 Antenna (380-400MHz)



*VSWR measured on a typical glass sheet with 3m (10’) of RG174 cable

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