

Product Data Sheet

EF-S1 Range

C/Note	Doc Issue	Date	Approval
01020	3	23/03/2016	J.J.

TETRA UHF

Internal Glass Mount Antenna

- TETRA UHF
- Public Safety
- Covert
- Omni Directional
- ROHS Compliant
- Vehicle Mount



EF-S1

Covert application

No-hole installation

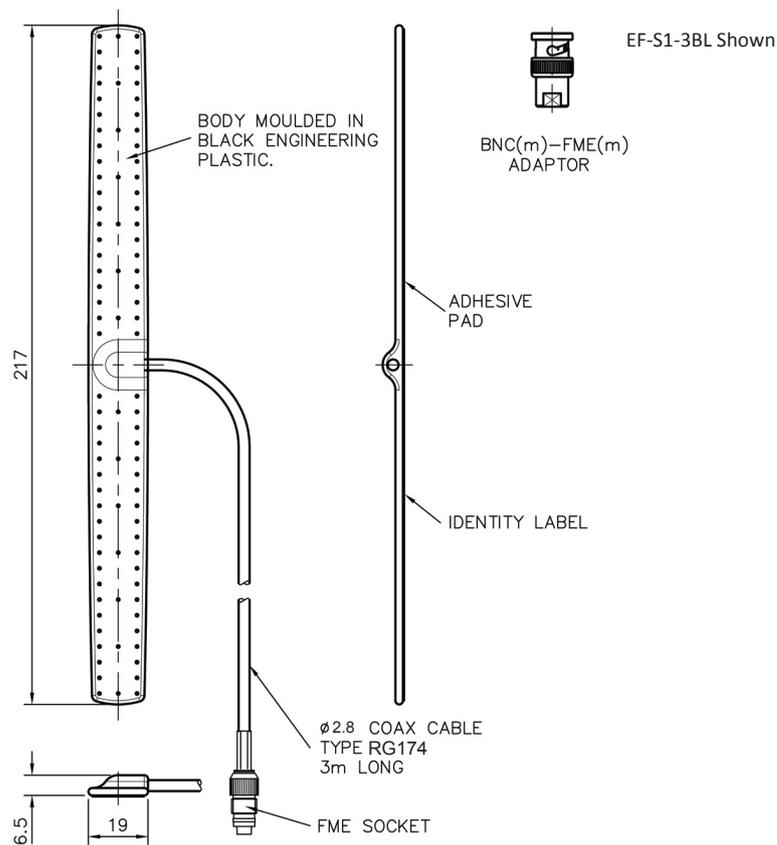
Can be removed without a trace

The EF series UHF internal glass mounting antenna provides a low visibility antenna solution for discreet or covert installations. 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 fitment of a wide range of connectors.

The EF series – the solution for a permanent or temporary covert installation.

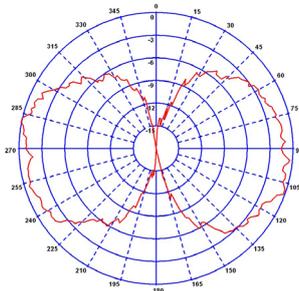
Technical Drawing



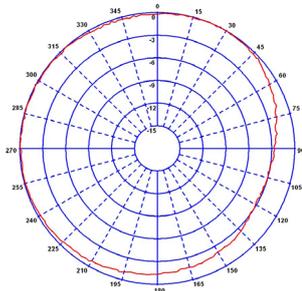
TETRA UHF

Internal Glass Mount Antenna

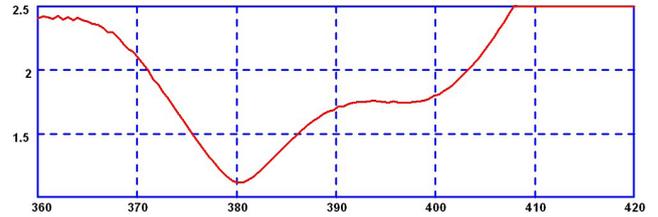
Typical E-Plane (390MHz)



Typical H-Plane (390MHz)



Typical VSWR*



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

Part No.		EF-S1-3BL
Electrical Data		
Frequency Range (MHz)		380-400
Operational Band		S1
Gain: Isotropic		2dBi
Compared to ¼ wave		0dB
Bandwidth @ 2:1 VSWR		10%
Polarisation		Vertical
Pattern		Omni-directional
Impedance		50Ω
Max Input Power (W)		20
Mechanical Data		
Dimensions (mm)	Length	217 (8.5")
	Width	19 (0.7")
	Diameter	2.5 (0.09")
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')
Termination		FME socket with BNC adaptor*

*Connector Configurations	
BNC (adaptor)	EF-S1-3BL
TNC (adaptor)	EF-S1-3TL
FME (fitted)	EF-S1-3F

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