

# 2G/3G/4G Easy-Fit Antenna

EF-BC3G-26 Series



## EF-BC3G-26 Range

- Covers 2G/3G/4G Bands
- Easy adhesive pad fitment
- Suitable for mounting to plastic or glass

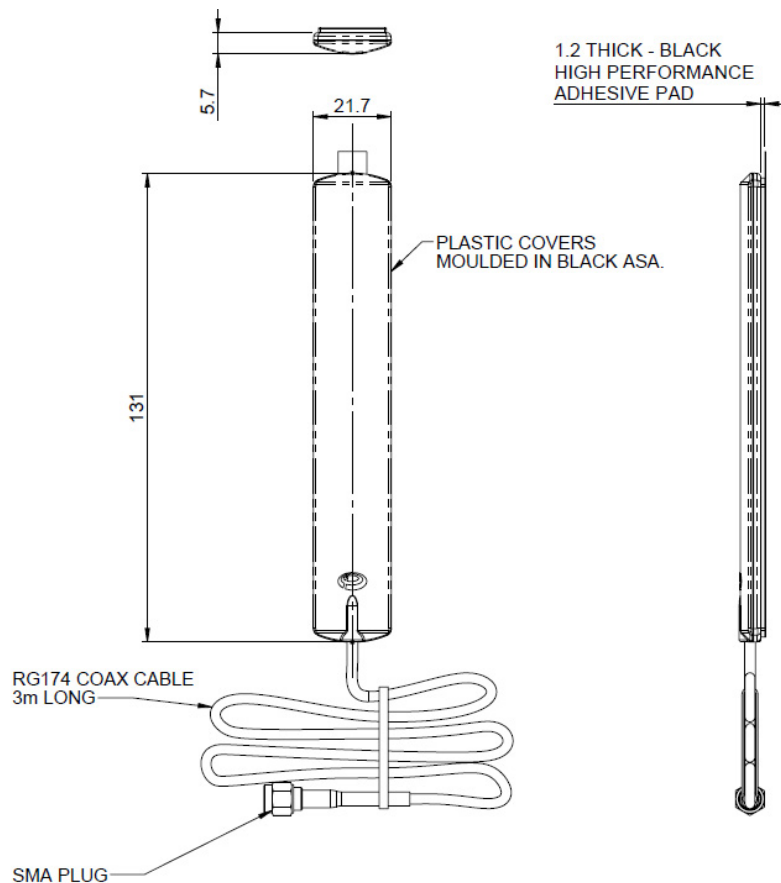
EF-BC3G-26 is a range of highly efficient and portable antennas for 2G/3G/4G modems and datacards. These paddle style antennas are easily positioned on a device housing or vehicle windscreen using the supplied automotive industry grade adhesive pad.

The antenna is ultrawideband and ground plane independent making it ideal for global machine-to-machine and mobile data applications. Covering 698-960 / 1710-2170 / 2396-2700MHz the EF-BC3G-26 is designed to support the full range of 2G/3G and 4G frequencies globally.

The antenna is constructed from weather resistant plastic and is suitable for use in semi-exposed scenarios.

### Technical Drawing

EF-BC3G-26-3SP Shown



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Product Data

Part No.		EF-BC3G-26-3FAKRAD	EF-BC3G-26-3SP	EF-BC3G-26-05SP
<b>Electrical Data</b>				
Frequency Range (MHz)		698-960, 1710-2170, 2396-2700		
Typical VSWR*		<2.5:1		
Peak Gain: Isotropic**	698-960MHz	2dBi		
	1710-2170MHz	3dBi		
	2400-2700MHz	6dBi		
Typical Efficiency***		>60%		
Polarisation		Vertical		
Pattern		Omni-directional		
Impedance		50Ω		
Max Input Power (W)		10		
<b>Mechanical Data</b>				
Dimensions (mm)	Length	131 (5.16")		
	Width	21.7 (0.85")		
	Depth	7 (0.27")		
Material		ASA		
Operating Temp (°C)		-30° / +70°C (-22° / 158°F)		
Colour		Black		
<b>Mounting Data</b>				
Type		Acrylic adhesive pad		
<b>Cable Data</b>				
Type		RG174		
Diameter (mm)		2.6 (0.10")		
Length (m)		3 (10')	3 (10')	0.5 (1'5")
Termination		FAKRA D Jack	SMA Plug	SMA Plug

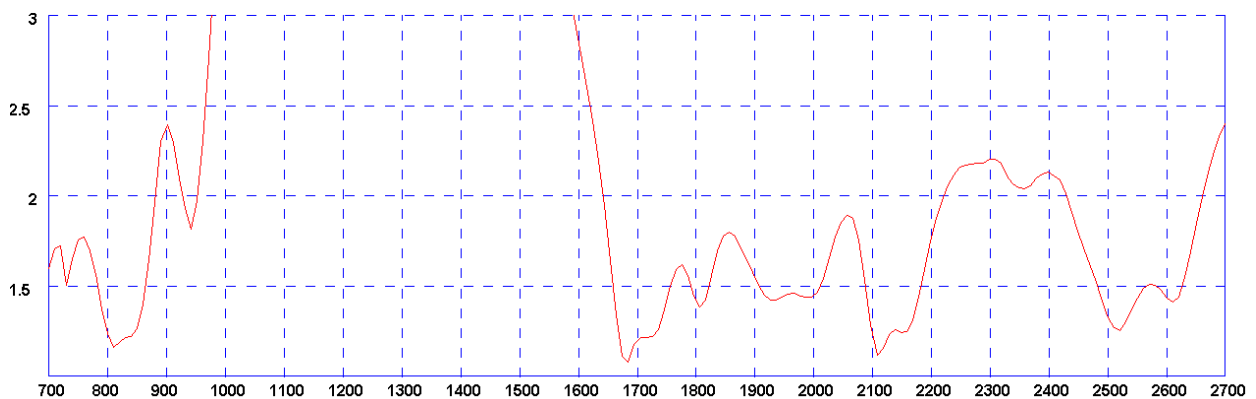
\* VSWR measured with 0.5m (1.5') of RG174 cable

\*\* Typical Peak gain simulated in CST Microwave Studio with 175mm (7") cable

\*\*\*Typical Efficiency simulated in CST Microwave Studio with 175mm (7") cable

Typical VSWR\*

Electrical Data



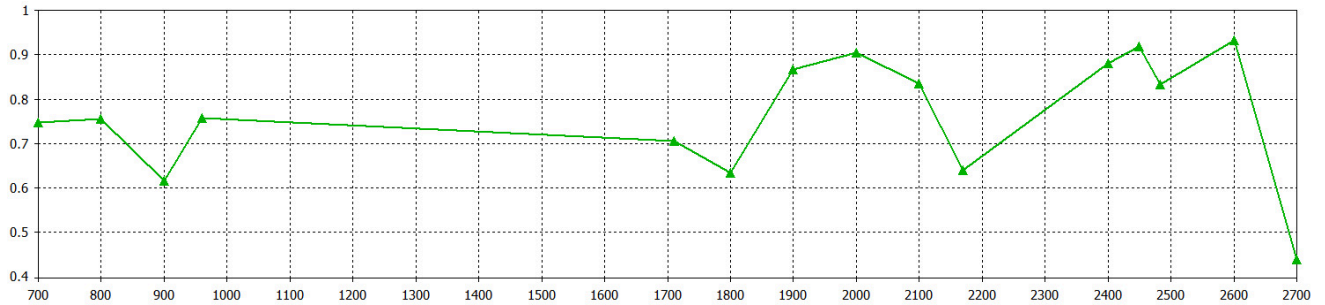
\* VSWR measured with 0.5m (1.5') of RG174 cable

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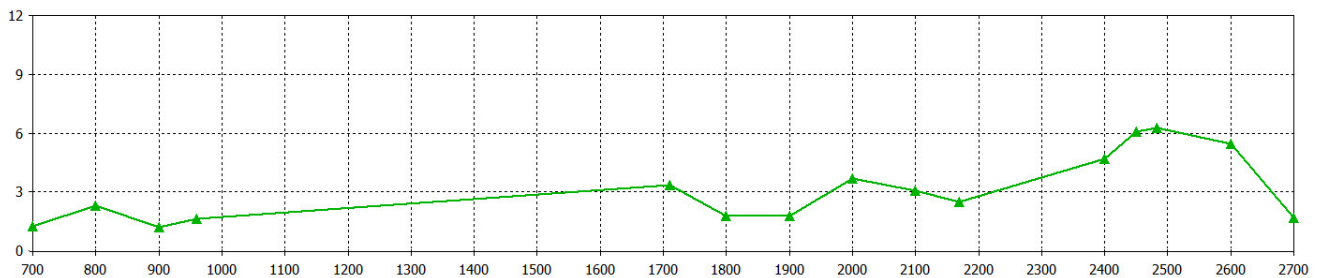
## Electrical Data

### Typical Efficiency\*\*\*



\* Efficiency simulated in CST Microwave Studio with 175mm (7") cable

### Typical Peak Gain\*\*



\* Peak gain simulated in CST Microwave Studio with 175mm (7") cable