

4G/5G Easy-Fit Antenna

EF-6-60-[X]



EF-6-60 Range

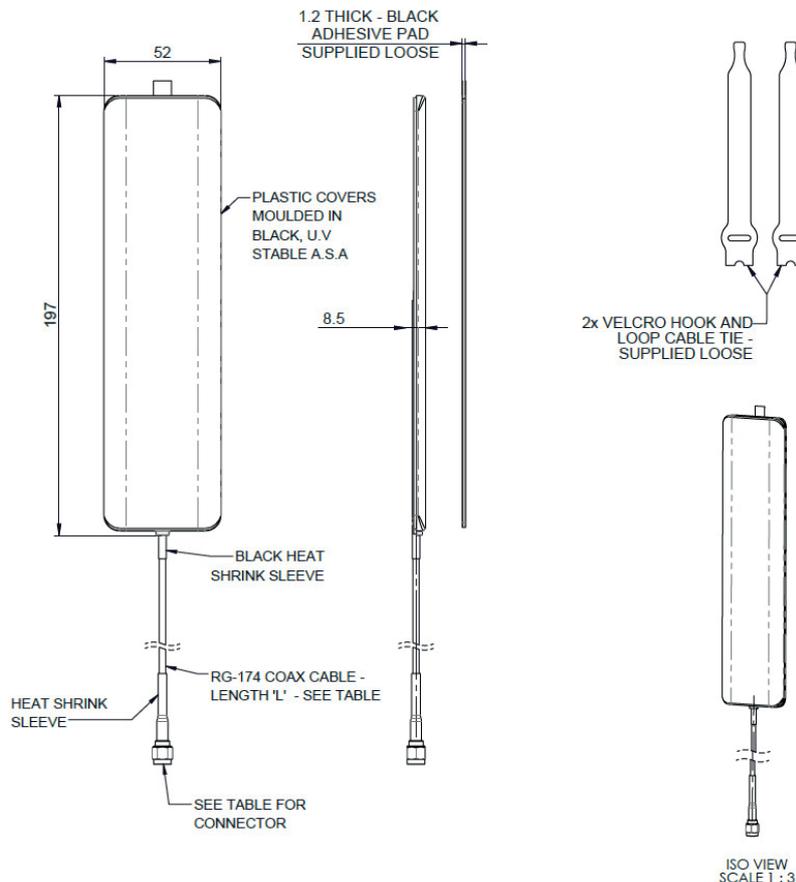
- Covers global 4G/5G Bands
- Easy adhesive pad fitment
- Suitable for mounting to plastic or glass

EF-6-60 is a range of highly efficient and portable antennas for 4G/5G routers. These paddle style antennas are easily positioned on a device housing, non-conductive panel 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 617-960 /1427-6000MHz the EF-6-60 is designed to support the full range of 2G/3G/4G and 5G frequencies globally.

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

Technical Drawing



4G/5G Easy-Fit Antenna

EF-6-60-[X]

PANORAMA ANTENNAS

Product Data

Part No.		EF-6-60-3FAKDJ	EF-6-60-3SP
Electrical Data			
Frequency Range (MHz)		617-960, 1427-6000	
Typical VSWR*		<2.5:1	
Peak Gain: Isotropic**	617-960MHz	2dBi	
	1427-2170MHz	3.5dBi	
	2200-2700MHz	4.5dBi	
	3400-4200MHz	4.5dBi	
	4900-6000MHz	6dBi	
Typical Efficiency***	617-960MHz	>55%	
	1427-2700MHz	>90%	
	3400-6000MHz	>85%	
Polarisation		Vertical	
Pattern		Omni-directional	
Impedance		50Ω	
Max Input Power (W)		10	
Mechanical Data			
Dimensions (mm)	Length	197 (7.75")	
	Width	52 (2.04")	
	Depth	8.5 (0.33")	
Material		ASA	
Operating Temp (°C)		-40° / +80°C (-40°/ 176°F)	
Colour		Black	
Ingress Protection		Equivalent to IP55	
Mounting Data			
Type		Acrylic adhesive pad	
Cable Data			
Type		FR RG174 (meets UN ECE R118 and EN45545-2)	
Diameter (mm)		2.8 (0.10")	
Length (m)		3 (10')	3 (10')
Termination		FAKRA D Jack	SMA Plug

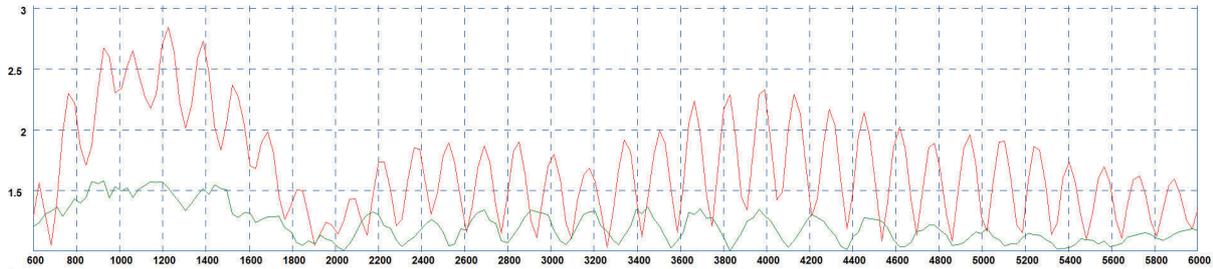
* VSWR measured with 0.5m (1.5') of RG174 cable on perspex sheet.

** Typical Peak gain simulated in CST Microwave Studio on perspex sheet with 175mm (7") cable.

***Typical Efficiency simulated in CST Microwave Studio on perspex sheet with 175mm (7") cable.

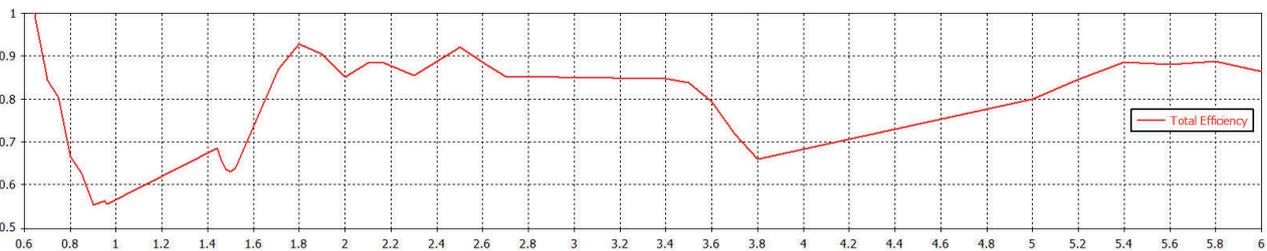
Electrical Data

Typical VSWR*



*Red Trace= VSWR measured with 0.5m (1.5') of RG174 cable Green Trace= VSWR measured with 3m (10') of RG174 cable

Typical Efficiency*



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

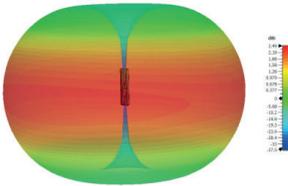
Typical Peak Gain*



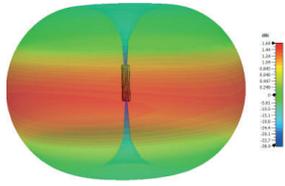
* Peak gain simulated in CST Microwave Studio with 175mm (7") cable

Typical 3D Patterns

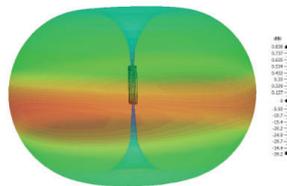
Typical 3D Pattern (617MHz)



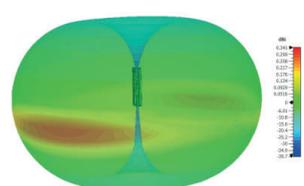
Typical 3D Pattern (700MHz)



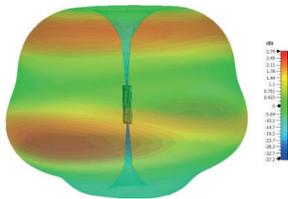
Typical 3D Pattern (800MHz)



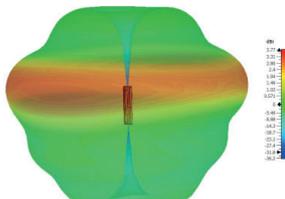
Typical 3D Pattern (900MHz)



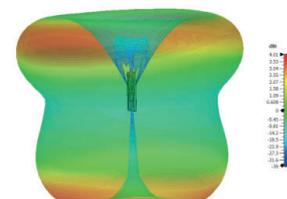
Typical 3D Pattern (1800MHz)



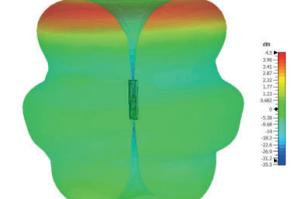
Typical 3D Pattern (2000MHz)



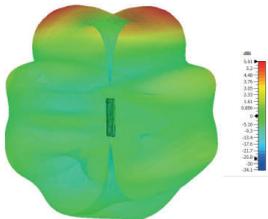
Typical 3D Pattern (2600MHz)



Typical 3D Pattern (3600MHz)



Typical 3D Pattern (5400MHz)



3D patterns simulated in CST Microwave Studio with 175mm (7") cable.