

# A52-FV3-300

## Self-Install Directional Antenna

**MODEL NUMBERS: A52-FV3-300**

The Nextivity A52-FV3-300 is a self-install directional donor antenna for CEL-FI GO and CEL-FI CONNECT cellular signal boosters. Ideal for systems that need an indoor donor antenna, the A52-FV3-300 accepts 5G-NR, 4G-LTE, and 3G WCDMA signals from the macro network for distribution by the signal booster and server antenna. The antenna provides improved gain and isolation for optimal SINR. In addition to featuring adhesive strips and Velcro tape for easily mounting on a window, the antenna can be installed up 16.4 ft (5 m) away from the booster using the included RG58 cable for maximum separation and optimal performance. Compatible products include CEL-FI GO G41, GO G51, GO G43, and CONNECT C41.



### Features and benefits include:

- Developed for directional wideband operation from 617-4000 MHz
- Includes fasteners for self-installation on glass windows
- Standard SMA Male RF interface for direct installation on compatible CEL-FI family of products
- Compact form factor for aesthetically pleasing deployments
- Up to 5 meter cable length for installation location flexibility
- RoHS compliant

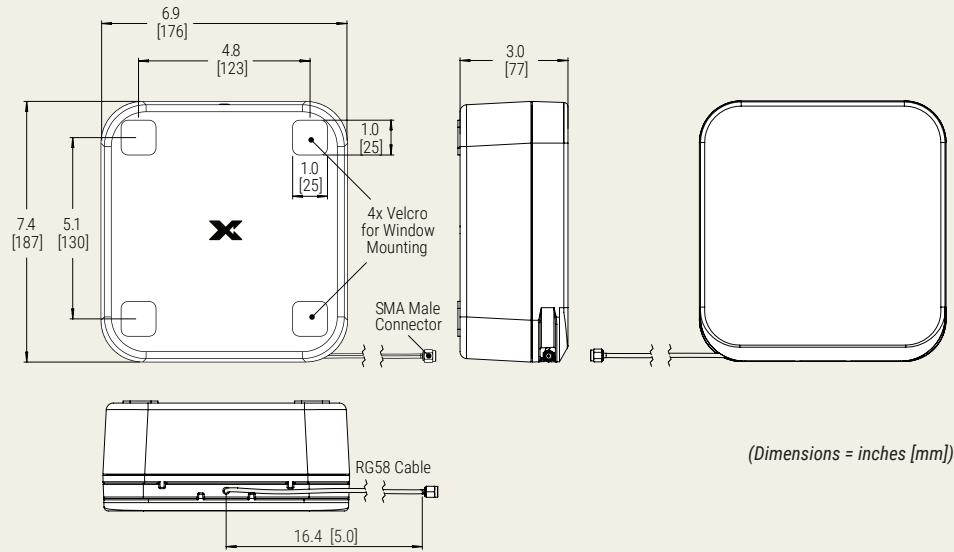
### Electrical Specifications

Frequency (MHz)	617-960	1710-2700	3300-4000
Service Bands	600, 700, 800, 850, 900	1700, 1800, 1900, 2000, 2100, 2300, 2500, 2600	3300, 3500, 3600, 3700
Return Loss (dB Typ.)	-9.5		
Gain (dBi Typ.)	5.5	8.0	7.0
Impedance ( $\Omega$ Nom.)	50		
Polarization	Linear/Vertical		
Radiation Pattern	Directional		
Front-to-Back Ratio (dB Min.)	9	15	11
Horizontal Beamwidth ( $^{\circ}$ )	85	65	50
Vertical Beamwidth ( $^{\circ}$ )	74	60	45
Input Power (W Max.)	50		
Cable Type	RG58		
Cable Length (ft (m))	16.4 (5)		
Connector	SMA Male		

### Mechanical Specifications

Housing Material	PC/ABS UV Stable
Housing & Cable Jacket Color	White
Operating Temperature	-40°C to +65°C
Storage Temperature	-40°C to +85°C
Ingress Protection	Indoor Only
RoHS	Compliant
REACH	Compliant

## Product Outline



Product specifications are subject to change without prior notification.