



WIDEBAND FIBERGLASS OMNIDIRECTIONAL ANTENNA

GLTQJ0160G3F38 20-6000 MHz Fiberglass Omnidirectional Antenna

MODEL GLTQJ0160G3F38

One-port fiberglass omnidirectional antenna with vertical polarization for outdoor use.



KEY PERFORMANCE

20-6000 MHz

FREQUENCY RANGE

Up to 3 dBi

GAIN

 ≤ 3 @ 20-90 MHz / ≤ 2.5

VSWR

N Male

CONNECTOR

TECHNICAL SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

Frequency bands

20-174 / 174-380 / 380-520 / 617-960 / 960-1400 / 1400-2700 / 3300-4200 / 4200-6000 MHz

Bandwidth

All band

Polarization

Vertical

Gain

-5 dBi @ 20-90 MHz; -3 dBi @ 100-380 MHz; 1 dBi @ 380-520 / 617-960 MHz; 2 dBi @ 960-2700 MHz; 3 dBi @ 3300-6000 MHz

Horizontal beam width

360 deg, omnidirectional

Vertical beam width

68 +/- 20 deg

Horizontal unroundness

+/- 2.5 dB

Impedance

50 ohm

VSWR

 ≤ 3 @ 20-90 MHz / ≤ 2.5

Maximum power

200 W

MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

Connector type

N Male

Connector position

Bottom

Antenna size

Dia. 42 x (352 +/- 5) mm

Antenna weight

0.385 +/- 0.2 kg

Radome material

Fiberglass

Radome color

Gray, white or black fiberglass (or customized)

Operating temperature

-40 to +70 degC

Storage temperature

-45 to +80 degC

Operating humidity

5-95%

Rated wind velocity

55 m/s

Salt spray resistance

96-hour neutral (GB/T 2423.17-2008)

Waterproofing grade

IP65

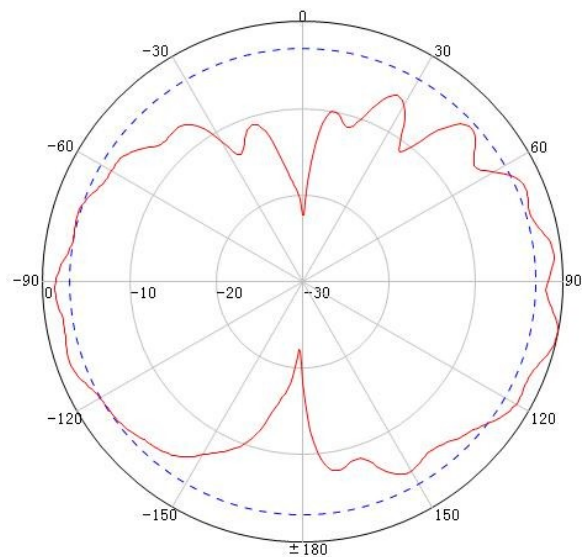
Application

Outdoor

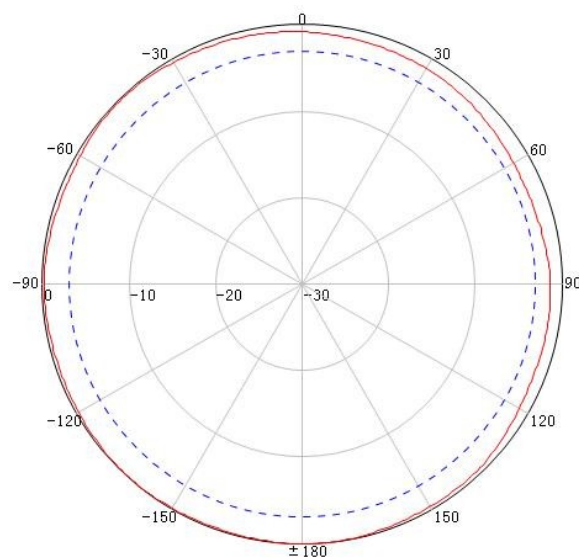
Mounting

Direct connection to the device

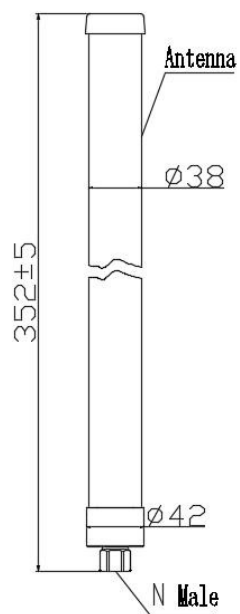
TECHNICAL FIGURES



Typical Pattern - E Plane



Typical Pattern - H Plane



Installation Sketch - Dia. 42 x (352 +/- 5) mm / N Male