

WIDEBAND FIBERGLASS OMNIDIRECTIONAL ANTENNA

GLTQJ0160G3F38A 100-6000 MHz Fiberglass Omnidirectional Antenna

MODEL GLTQJ0160G3F38A

One-port fiberglass omnidirectional antenna with vertical polarization, N female connector and mast bracket for outdoor use.



KEY PERFORMANCE

100-6000 MHz

FREQUENCY RANGE

Up to 3 dBi

GAIN

<= 2.5

VSWR

N Female

CONNECTOR

TECHNICAL SPECIFICATIONS

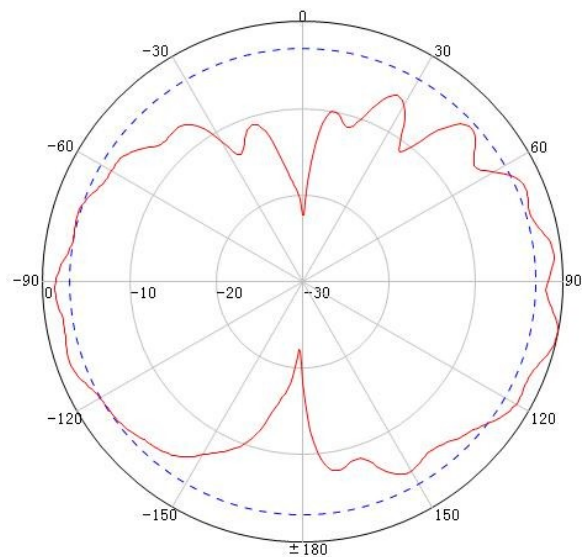
ELECTRICAL SPECIFICATIONS

Frequency bands	100-174 / 174-380 / 380-520 / 617-960 / 960-1400 / 1400-2700 / 3300-4200 / 4200-6000 MHz
Bandwidth	All band
Polarization	Vertical
Gain	-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	<= 2.5
Maximum power	100 W

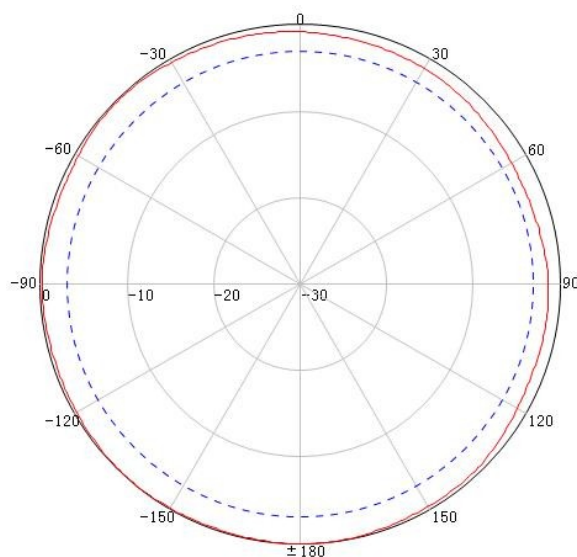
MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

Connector type	N Female
Connector position	Bottom
Antenna size	Dia. 42 x (360 +/- 5) mm
Antenna weight	0.76 +/- 0.2 kg (with bracket)
Radome material	Fiberglass
Radome color	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	Mast; customer-supplied mast Dia. 35-50 mm

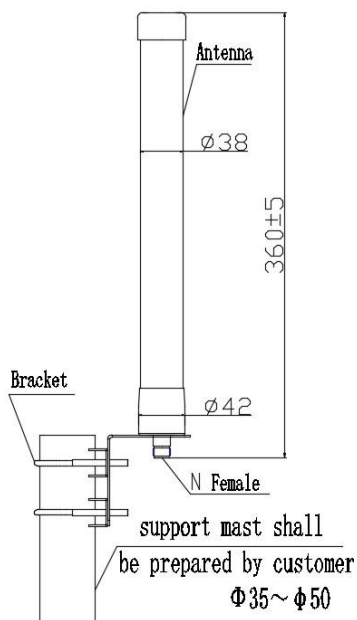
TECHNICAL FIGURES



Typical Pattern - E Plane



Typical Pattern - H Plane



Installation Sketch - Dia. 42 x (360 +/- 5) mm / N Female / mast bracket