seeed studio

INDUSTRIAL PRODUCT DATASHEET

4G Antenna Kit for Cellular Modules (M.2 Form Factor & MHF4)

4G Antenna Kit for Cellular Modules (M.2 Form Factor & MHF4) delivering 2 dBi gain across 824-960/1710-2700 MHz with IPEX-4 and SMA connectors for wireless sensor networks, industrial automation, edge devices, embodied AI, and wireles...

SKU	UPDATED	PRICE
100021657	2026-10-10 01:04:35	$5.00(Excl. VAT)



Overview



The 4G Antenna Kit for Cellular Modules (M.2 Form Factor & MHF4) offers a frequency range of 824-960/1710-2700 MHz, 50 Ω output impedance, and 2 dBi gain with vertical polarization and omnidirectional radiation. It supports up to 5 W maximum input power, operates from -40℃ to +70℃, and includes IPEX-4 and SMA connectors for cellular modules.

Key Features

4G Antenna Kit offering a frequency range of 824-960/1710-2700 MHz. It has an output impedance of 50 Ω and a gain of 2 dBi, which allows for optimized signal strength.

This antenna has a vertical polarization and omnidirectional radiation pattern, ensuring a stable signal reception from all directions. With a maximum input power of 5 W, it can handle high-power transmissions with ease.

Designed to withstand harsh environments, this antenna has an operating temperature range of -40℃ to +70℃ and a storage temperature range of -45℃ to +75℃. This makes it an ideal choice for various applications, including industrial, commercial, and residential.

Whether you're looking to enhance the connectivity of your devices or improve the performance of your wireless system, this high-performance antenna is the perfect solution for you.

- Really to connect: Provide IPEX-4 connector and SMA connector to connect with a Cellular Module
- Up to 2 dBi Peak Gain
- -40℃ to +70℃ operating temperature

Product Gallery







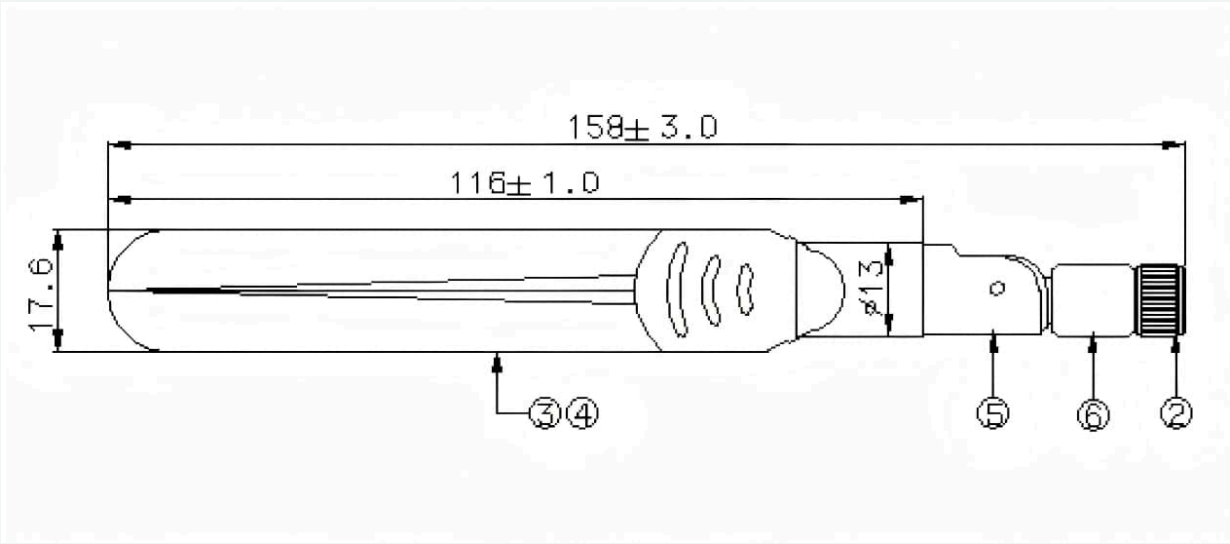


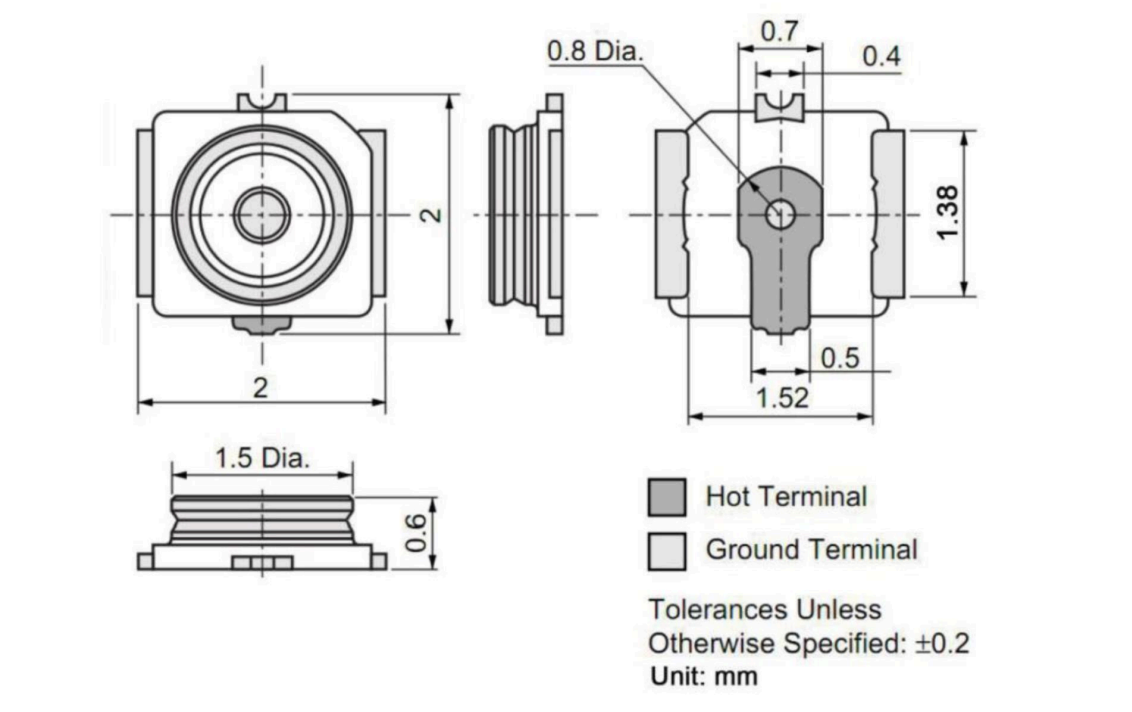
Specification

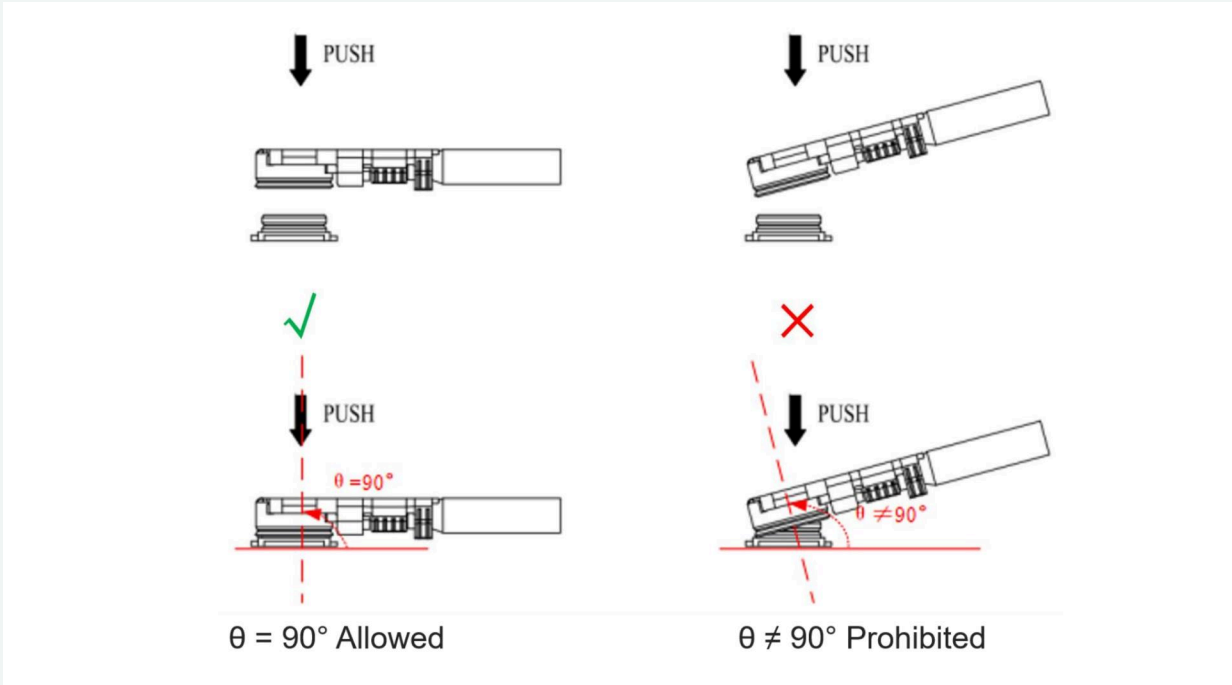
Antenna	
Frequency Range	824~960 / 1710~2700 MHz
Output Impedance	50 Ω
VSWR (Max)	3.0:1
Peak Gain	2 dBi
Max Input Power	5 W
Azimuth Beam Width (deg)	Omnidirectional
Polarization	Linear, Omnidirectional
Radome	PC, Black
Operational Temperature Range	-40℃ to +70℃
Storage Temperature Range	-45℃ to +75℃
Connector	SMA (Male)
Dimensions	158.0(L) x 17.6(W) mm
Weight	13.9g

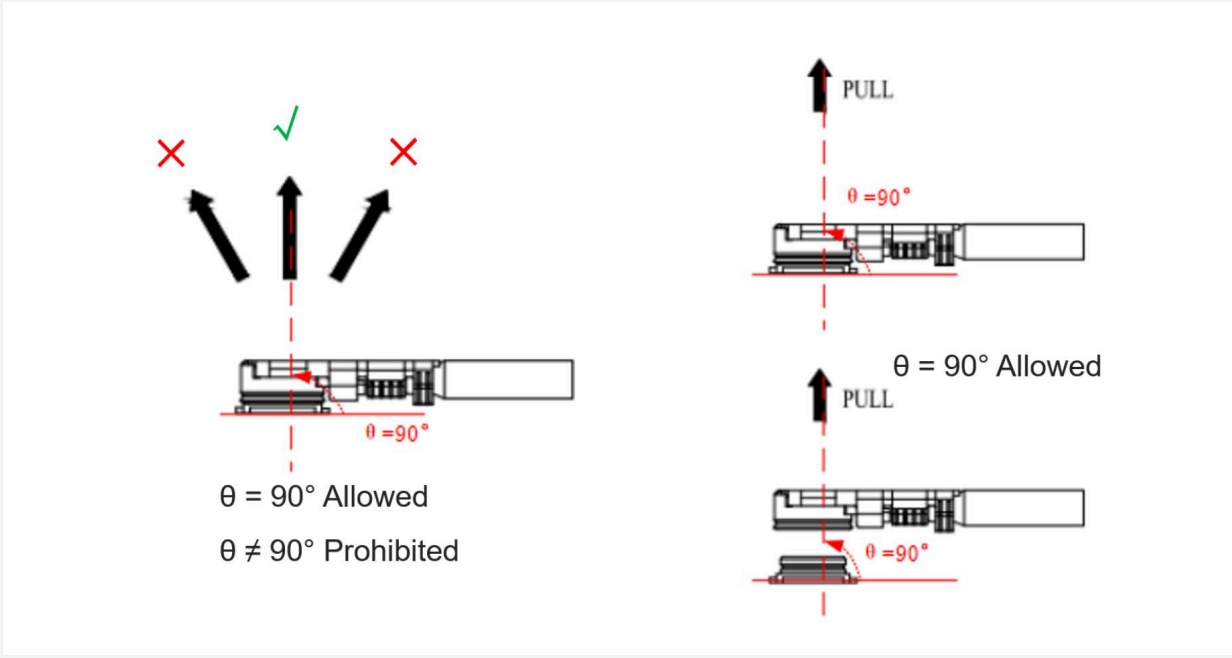
Coaxial Cable	
Frequency Range	DC-6 GHZ
Nominal Impedance	50 Ω
Working Voltage (Max)	3.35 V
Proof Voltage	7.50 V
VSWR (Max)	1.4:1
Torsional (Min)	15IN-1BS
Pluggable	500
Salt Spray	48 Hours
Certification	RoHS、REACH
Operational Temperature Range	-55℃ to +125℃
Connector	SMA (Female)、MHF4 (IPEX-4)
Dimensions	180.0(L) x 8(W) mm
Weight	3.9g

Hardware Overview






PUSH
PUSH
PUSH
θ =90°
PUSH
θ ≠90°
θ = 90° Allowed
θ ≠ 90° Prohibited


θ =90°
θ = 90° Allowed
θ ≠ 90° Prohibited
PULL
θ =90°
θ = 90° Allowed
PULL
θ =90°

Applications

- **Wireless sensor networks**
- **Industrial automation**
- **Edge Devices**
- **Embodied AI**
- **Wireless communication networks**

Part List

4G Antenna	x1
Coaxial Cable	x1

Compliance & Logistics

HSCODE	8473309000
USHSCODE	8473309100
UPC	
EUHSCODE	8471707000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/4G-Antenna-Kit-for-M-2-Module-MHF4-IPEX-4-p-6836.html
- 4G Antenna Kit Datasheet

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com