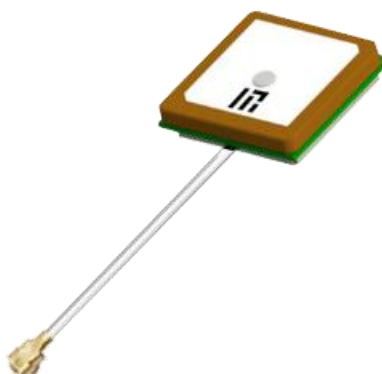


15x15x4mm active ceramic antenna



Product Description

This product can be used as various GPS receivers navigation, GPS clock, positioning.

Part No.	Dimensions (L x W x H)	cable	Connector	Color
M04-0102790R0A	15*15*6.8mm	Φ 1.13*150mm	IPX1	Brown

OVERALL PERFORMANCE(Antenna Element, LNA & Cable)

CHARACTERISTICS	SPEC
Center Frequency	1575.42 ± 1.023MHz(When the antenna are placed on the customer's device inside)
Voltage	DC 3.0±0.3V
Current	5mA max
Gain	14dB typ
Noise Figure	2.0dB max
Bandwidth(10dB return loss)	10MHz min
Output VSWR	2.0 max
Output Impedance	50ohm
Dimensions	15mm(L)×15mm(W)×6.5mm(H) typ
Weight	8±2g(typ)
Cable	150±5mm (Φ=1.13mm)
Connector	IPX1

Patch antenna

CHARACTERISTICS	SPEC
Dimensions	15mm(L)×15mm(W)×4mm(H) typ

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Center Frequency	1575.42 ± 1MHz(50mm(L) × 50mm(W) Ground)
Bandwidth(10dB return loss)	5MHz min
Peak Gain	0.5dB typ
Output V.S.W.R	1dB max
Output Impedance	50ohm
Polarization	R.H.C.P

LNA/Filter

CHARACTERISTICS	SPEC
Voltage	DC 3.0 ± 0.3V
Current	5mA max
Center Frequency	1575.42 ± 1MHz
Gain	13 ± 2dB typ
Noise Figure	1.5dB max
Filter(Out of band attenuation)	SAW filter 30dB min fo ± 60MHz (fo=1575.42MHz)
Output V.S.W.R	2.0 max

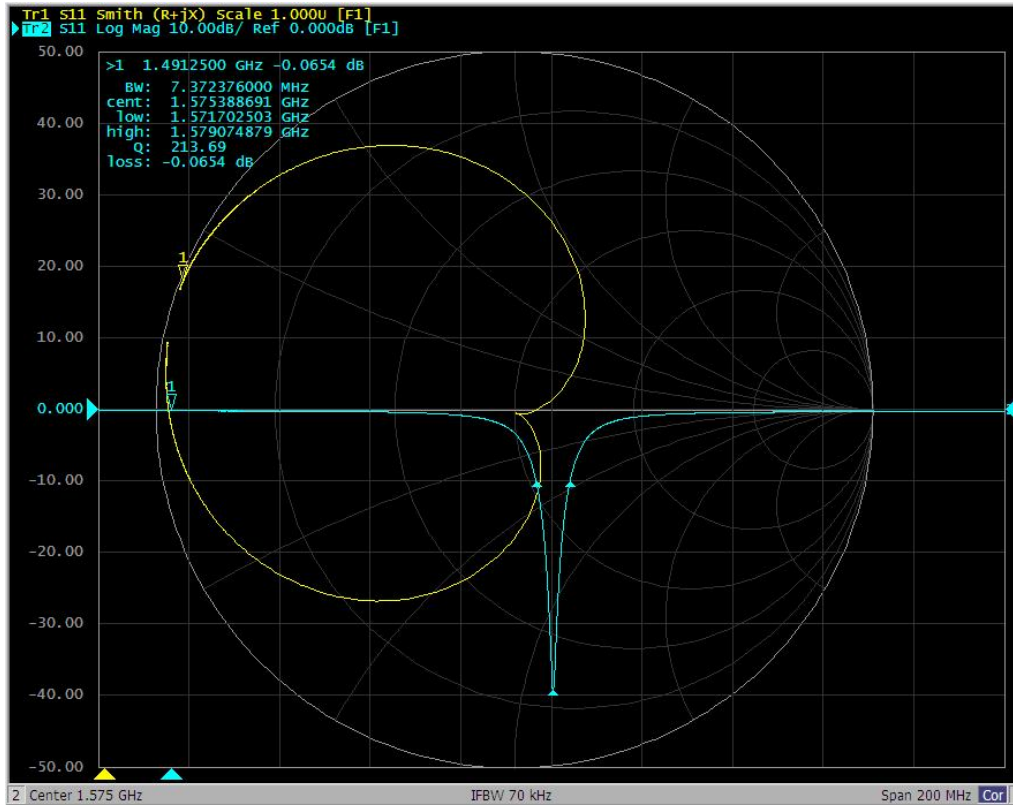
OPERATING CONDITION

Temperature	-20°C to +65°C
Humidity	10% to 95% RH

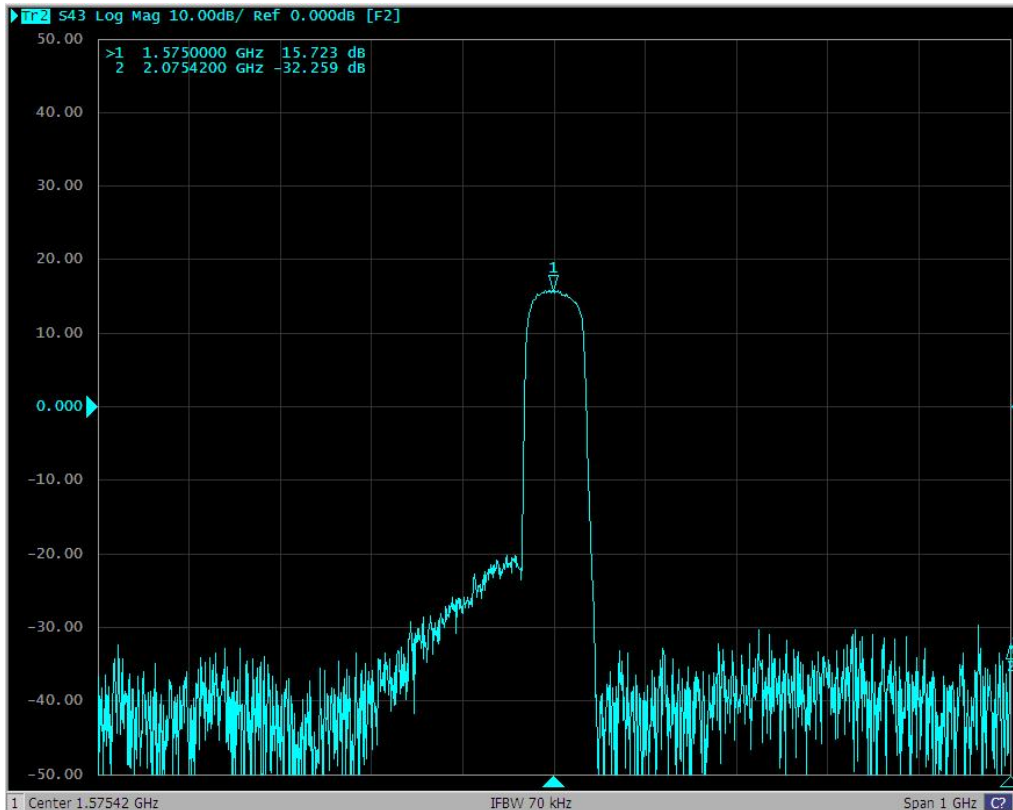
STORAGE CONDITION

Temperature	-20°C to +70°C
Humidity	10% to 95% RH

Patch Simth & VSWR



LNA Gain



Note

- 1、 This product specification guarantees the quality of our product as a single unit. Please make sure that your product is evaluated and confirmed against your specifications when our product is mounted to your product.
- 2、 We cannot warrant against failure caused by any use of our product that deviates from the intended use as described in this product specification.
- 3、 The product will get free warranty for three months since the date of purchase users operate in the correct way; users will have to pay cost of the materials and maintaining fee out of the condition.
- 4、 Electrostatic sensitive device Observe precautions for handling.

HOUSING CONFIGURATIONS

