

Designed for timing and synchronization

Excellent performance under severe environment (rain, snow, etc.) with application conscious design



Durability to severe environment

Immunity to noise and interference

Immunity to lightning surge

Secure performance by attenuating noise and interference near GPS L1 frequency through triple filtering design

Enhanced immunity to lightning surge [IEC61000-4-5 Level 4(4000V)] preventing antenna failure caused by induced lightning <Model with enhanced immunity to lightning>

■ GPS L1 Antenna product specification

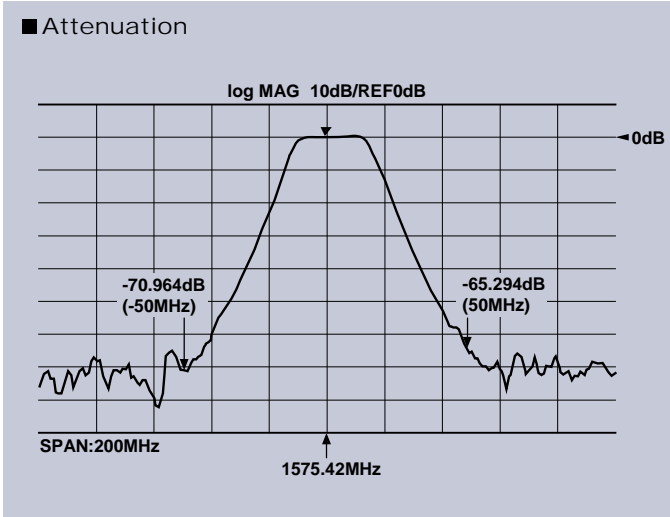
Electrical	Frequency Range	1575.42MHz ±1.023MHz
	Polarization	Right-hand circular
	Total Gain	38dBi typical
	Attenuation	60dB typical at 1575.42 ±50MHz
	Noise Figure	1.8dB typical (< 2.2dB)
	VSWR	1.5 typical (< 2.5)

Environmental	Operating Voltage	DC5V ±0.5V
	Operating Current	20mA typical (< 27mA)
	Operating Temperature	-40 ~ 85°C
	Storage Temperature	-45 ~ 90°C
	Immunity to lightning surge	I E C 6 1 0 0 0 - 4 - 5 Level4

[This product is compliant with the European RoHS Directive.]

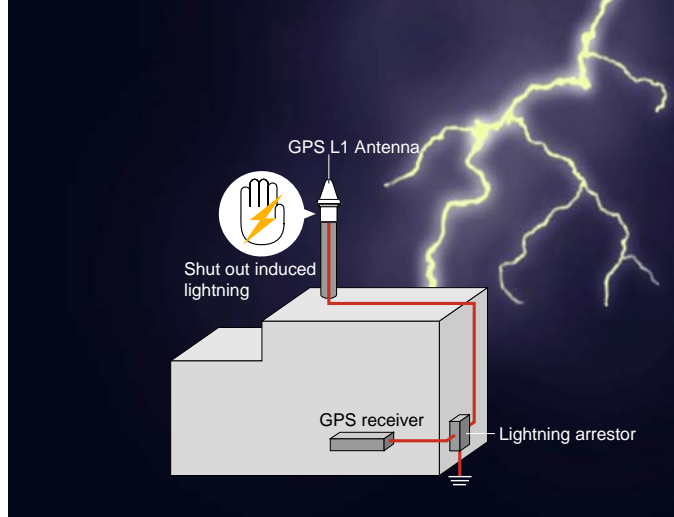
## Immunity to noise and interference

Secure performance by attenuating noise and interference near GPS L1 frequency through triple filtering design



## Immunity to lightning surge

Model with enhanced immunity to lightning surge [IEC61000-4-5 Level 4 (4000V)] preventing antenna failure caused by induced lightning



■ Dimensions (Unit:mm)

CCA32ST11

Radome

Bottom

98.4

22.5

88.5

90

TNC connector

N connector

Mounting Base (B)

Mounting Base (A)

Model with enhanced immunity to lightning

Part No.	CCA32ST01	CCA32ST03	CCA32ST04	CCA32ST11
Connector	TNC	N	N	N
Mounting Base	(A)	-	(B)	-

Weight	Approx. 187g
Material	Radome :Polycarbonate Bottom :Die-cast aluminum

### ⚠ Notice for use

- Please note the following items in order to secure a good signal reception.
- For antenna placement, select an area where the GPS antenna will have an unobstructed view of the sky.
- Install the GPS antenna vertically to the earth.
- In case of locating the GPS antenna near high-voltage electrical power lines or transmitting antennas (such as Cellular), make sure the system performance before starting the actual installation.

Please contact



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