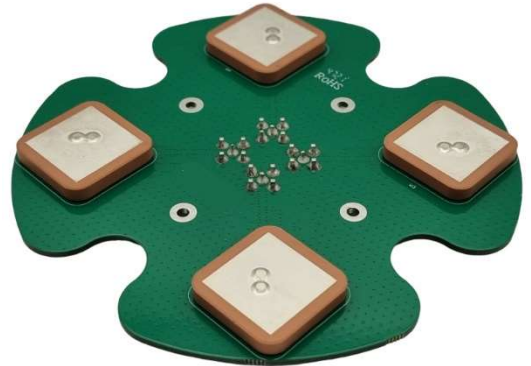


KV-AJA1.1s-OEM

SINGLE-BAND ANTENNA ARRAY FOR AJ1 ANTI-JAMMING GNSS SYSTEM

- 4 element array
- Using for the simultaneous anti-jamming protection from multiple directions (up to 3)
- L1 band protection combined with AJ1.1 Anti-Jamming GNSS receiver
- Enclosureless system
- Easy and rapid to integrate in the unit
- Reduced size and weight



This is 4-elements Phased Array Antenna with frequency filtering at the antenna inputs and LNA on-board. Antenna Array forms the core of the system, providing exceptional signal reception and transmission capabilities.

The Anti-Jamming function is achieved by using it combined with Kosminis Vytis Anti-Jamming GNSS receiver which includes an Anti-Jamming GNSS processor. Signals acquired by Array Antenna are digitized and processed with KV-AJ1.1 (KV-AJ1.1-OEM) high dynamic range receiver after which the navigation signals or solution is resistant to jammers.

The antenna is designed for future upgrades, including the potential addition of coverage in S - band frequency, as per user requirements.

TECHNICAL SPECIFICATION

Product code: KV-AJA1.Xs-OEM (1 – single-band option, x – GNSS signal options, s-small size, OEM – enclosureless)

Parameter	Description	Note
Frequency bands	<u>Option 1.1:</u> 1559 MHz -1609 MHz (L1)	
VSWR	< 2	
Ellipticity	< 3 dB	
LNA Gain	24 dB	
Power supply	3.3 V - 5 V	
Power consumption	0.75 W	typical
Dimensions (Ø x H)	Ø120 mm x 21.4 mm	
Weight	105 g	
Connectors (RF out + DC Power IN)	4x SMA Female	

CONTACTS

Kosminis Vytis UAB
 88 Zalgirio, LT-09303 Vilnius, Lithuania
 e-mail: sales@kosminis-vytis.lt