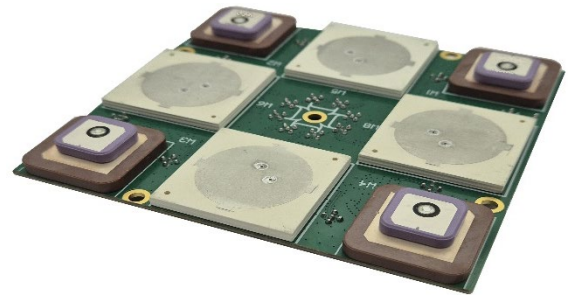


KV-AJA3.3-OEM

TRI-BAND ANTENNA ARRAY FOR ANTI-JAMMING GNSS SYSTEM

- Tri-band multi constellation antenna array for Anti-Jamming GNSS systems and Jamming Suppression systems
- Multi-frequency solution: L1, L5, S
- 4 receive channels for each frequency band
- Easy to integrate, ideal for retrofitting



This is 4-elements Phased Array Antenna with frequency filtering at the antenna inputs and LNA on-board. The Anti-Jamming function is achieved by using it combined with Kosminis Vytis Anti-Jamming GNSS receiver or Jamming Suppressor which includes an Anti-Jamming GNSS processor. Signals acquired by Array Antenna are digitized and processed with KV-AJ3.x high dynamic range receivers or KV-4AJ4-R0 high dynamic range Jamming Suppressors after which the navigation signals or solution is resistant to jammers.

A 4-element antenna array as part of the Anti-Jamming GNSS system or Jamming Suppression system allow gain pattern shapes to be changed in response to interference.

TECHNICAL SPECIFICATION

Product code: KV-AJA3.x-OEM (3 – tri-band option, x – GNSS signal options, OEM – enclosureless)

Parameter	Description	Note
Frequency bands	AJA3.3-OEM: 1559 MHz - 1609 MHz (L1) 1164 MHz - 1214 MHz (L5) 2480 MHz - 2510 MHz (S)	
VSWR	<2	
Ellipticity	<3 dB	
LNA Gain	30 dB	
Power supply	5 V	
Power consumption	1.7 W	typical
Dimensions (L x W x H)	105 mm x 105 x 15.2 mm	
Weight	160 g	
Connectors RF out + DC Power IN	MMCX: 4x (L1, L5) and 4x (S)	by default
	MMCX: 4x (L1) and 4x (L5, S)	optional
	MMCX: 4x (L1, L5, S)	optional

CONTACTS

Kosminis Vytis UAB
112 Svencioniu LT-15168 Nemencine, Vilnius, Lithuania
e-mail: sales@kosminis-vytis.lt