

## KV-AJA3.x

### TRI-BAND ANTENNA ARRAY FOR AJ3 ANTI-JAMMING GNSS SYSTEM

- Tri-band multi constellation anti-jamming phase antenna array
- Multi-frequency solution: L1, L5, S
- 4 receive channels for each frequency band
- Tri-band protection combined with AJ3.3, AJ3.4 Anti-Jamming GNSS receivers
- Compact enclosure system
- 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 which includes an Anti-Jamming GNSS processor.

Signals acquired by Array Antenna are digitized and processed with KV-AJ3.3 (KV-AJ3.4) high dynamic range receiver after which the navigation signals or solution is resistant to jammers.

A 4-element antenna array as part of the KV-AJ3 Anti-Jamming GNSS system allow gain pattern shapes to be changed in response to interference. Provides up to 3 independent nulls.

#### TECHNICAL SPECIFICATION

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

Parameter	Description	Note
Frequency bands	<b>AJA3.3:</b> 1559 MHz - 1609 MHz (L1) 1164 MHz - 1214 MHz (L5) 2480 MHz - 2510 MHz (S)	
VSWR	<2	
Ellipticity	<3 dB	
LNA Gain	25 dB for L1, L5 bands 30 dB for S band	
Power supply	5 V	
Power consumption	2.2 W	typical
Dimensions (Ø x H)	Ø175 mm x 62.9 / 33.5 mm	With/ without block of connectors
Weight	1370 g	
Connectors	4x SMA Female (L1, L5) 4x SMA Female (S)	RF out + DC Power IN

#### CONTACTS

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