

KV-AJA2.Xs-OEM

DUAL-BAND ANTENNA ARRAY FOR AJ2 ANTI-JAMMING GNSS SYSTEM

- Dual-band multi constellation anti-jamming phase antenna array
- Dual-frequency solution: L1 / L2 / L5 can be used (consider specified options)
- 4 receive channels for each frequency band
- Dual-band protection combined with AJ2.x (AJ2.x-OEM) Anti-Jamming GNSS receiver
- 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-AJ2.x (KV-AJ2.x-OEM) 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-AJ2 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-AJA2.Xs-OEM (2 - Dual-band option, x - GNSS signal options, s-small size, OEM - enclosureless)

Parameter	Description	Note
Frequency bands	Option 2.1s: 1559 MHz - 1609 MHz (L1) 1215 MHz - 1254 MHz (L2)	
	Option 2.2s: 1559 MHz - 1609 MHz (L1) 1164 MHz - 1214 MHz (L5)	
VSWR	< 2	
Ellipticity	< 3 dB	
LNA Gain	24 dB for each band	
Power supply	5 V	
Power consumption	0.8 W	typical
Dimensions (L x W x H)	130 x 130 x 14.7 / 18.7 mm	Option 2.1s / Option 2.2s
Weight	220 g / 320 g	Option 2.1s / Option 2.2s
Connectors (RF out + DC Power IN)	Option 2.1s: 4x MMCX (L1) 4x MMCX (L2)	
	Option 2.2s: 4x MMCX (L1) 4x MMCX (L5)	

CONTACTS

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