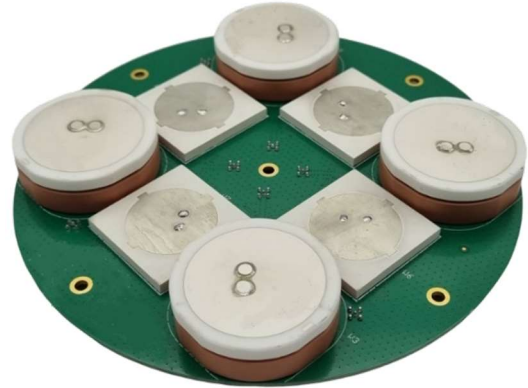


KV-AJA3.x-OEM

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
- 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-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	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)	Ø150 mm x 20 mm	
Weight	370 g	
Connectors	4x MMCX (L1, L5) 4x MMCX (S)	RF out + DC Power IN

CONTACTS

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