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# ADMV4821

24 to 29.5 GHz TX/RX Dual Polarization Beamformer



Recommended for New Designs



## Overview

### Features and Benefits | Product Details

- RF frequency range: 24GHz to 29.5 GHz addressing n257, n258, n261 bands in one footprint
- 16 selectable TX channels
- 16 selectable RX channels
- Horizontal and Vertical Polarization
- Matched 50Ω single-ended RF inputs and outputs
- High resolution vector modulators for phase control
- High resolution DGAs for amplitude control
- Temperature compensation
- Memory for TX and RX beam positions
- 3GPP specification compliant

## Product Categories

RF & Microwave



Beamformers



Vector Modulators

Complete documentation is available upon completion of a [Non-Disclosure Agreement \(NDA\)](#) (pdf). Send your completed forms by e-mail to [mmWave5G@analog.com](mailto:mmWave5G@analog.com). Additional support is available from your [Analog Devices local sales](#).

Comparable Parts | [Click to see all in Parametric Search](#)

Product Lifecycle Recommended for New Designs

# Reference Materials

[View All \(2\)](#) [Product Selection Guide \(1\)](#) [Press Releases \(1\)](#)

# Design Resources

ADI has always placed the highest emphasis on delivering products that meet the maximum levels of quality and reliability. We achieve this by incorporating quality and reliability checks in every scope of product and process design, and in the manufacturing process as well. "Zero defects" for shipped products is always our goal.



[ADMV4821 Material Declaration](#)



[Quality And Reliability](#)



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