

New Product Announcement!

Wideband Microwave Amplifier

AVA-183+

50Ω 6 to 18 GHz

Click
here for
data sheet



CASE STYLE: DQ849

The Big Deal

- Surface Mount Amplifier up to 18 GHz
- Integrated matching, DC Blocks and bias circuits
- High Reverse Isolation

Pricing: **\$17.95** (qty 1-9)

Product Overview

The Mini-Circuits AVA-183+ is a surface mount, microwave amplifier and fully integrated gain block up to 18 GHz. It is packaged in Mini-Circuits industry standard 3x3 mm MCLP (QFN) package, which provides excellent RF and thermal performance. The AVA-183+ integrates the entire matching network with the majority of the bias circuit inside the package, reducing the need for complicated external circuits. This approach makes the AVA-183+ extremely flexible and enables simple, straightforward use.

Key Features

Feature	Advantages
Wideband, 6 to 18 GHz	Broad frequency range supports a wide array of applications from microwave radio and radar, to military communications and countermeasures.
Excellent Gain Flatness	Typical ± 0.6 dB gain flatness across the entire frequency range minimizes the need for external equalizer networks making it a great fit for instrumentation and EW applications.
High Isolation	With reverse isolation of 38 dB (25 dB directivity), the AVA-183+ is an excellent choice for buffering broadband circuits. It is an ideal LO driver amplifier and provides designers system flexibility and margin when integrating cascaded RF components.
Manufacturability	MSL1 and ESD Class1A (HBM) ratings minimize special handling on production lines.

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IF/RF MICROWAVE COMPONENTS

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Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp.