

New Product Announcement!

Coaxial

High Power Amplifier

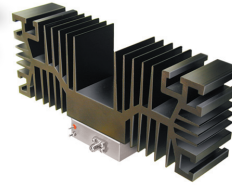
ZVE-3W-183+

50Ω 3W 5.9 to 18 GHz



The Big Deal

- Wideband 5.9 to 18 GHz
- Output Power, 3 Watts
- Gain, 35 dB
- Low cost \$1295.00



ZVE-3W-183+
Price: \$1295.00 (QTY 1-9)



ZVE-3W-183X+
Price: \$1220.00 (QTY 1-9)

Product Overview

ZVE-3W-183+ is a Class-A, four stage, unconditionally stable amplifier which includes built-in voltage regulation and reverse bias protection for added reliability in un-constrained environments. This model exhibits outstanding performance in system applications as well as being ruggedized to support the stress and abuse associated with lab test environments including the capability to withstand accidental open/short at the output over military vibration and shock levels.

Key Features

Feature	Advantages
Wide Bandwidth, 5.9 to 18 GHz (Usable over 5.5 to 18 GHz)	The broad bandwidth for the ZVE-3W-183+ enables full coverage of major EW and Test bands in a single amplifier. This amplifier is ideal for broadband, high frequency EMI test applications or driving multiple modules from a single source.
Output power: 3W typ.	The ZVE-3W-183+ amplifier is capable of delivering 3W CW output making it an ideal driver amplifier for very high power amplifiers such as TWT's or in supporting power handling tests of wide band components such as amplifiers, splitters etc.
Gain: 35 dB typ.	With high gain, the ZVE-3W-183+ is ideal for use in test applications when used together with lab signal generators, enabling it to deliver full power without need of additional driver amplifiers. In system applications, the high gain reduces the number of amplifiers needed resulting in a reduction of mechanical footprint or performance degradation due to VSWR interaction of multiple coaxial components.
Low VSWR: Input 1.5:1 typ. Output: 1.2:1 typ.	Low VSWR minimizes interaction effects with adjacent components which can negatively affect the overall gain ripple over such wide bands.
Outstanding Gain Flatness: ± 1.4 dB typ.	Covering a 3:1 bandwidth often results in gain flatness that may require additional circuits for slope compensation. The ZVE-3W-183+ includes internal circuits to ensure tight flatness over the entire 5.9 to 18 GHz band making this amplifier ideal for use in a variety of critical applications.



ISO 9001 ISO 14001 AS 9100 CERTIFIED

For detailed performance specs & shopping online see web site

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine Provides ACTUAL Data Instantly at minicircuits.com

IF/RF MICROWAVE COMPONENTS

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.