

ATN03-15FH00WG

General Description

1" High Power WR-15 3 dB Fixed Attenuators, operating from 50-75 GHz, are built with high precision and gold plated for high corrosion resistance. They have great VSWR and accurate attenuation.

Features

- Power Handling 10 W
- Length = 1 in.
- UG-385/U Flange

Functional Block Diagram

N/A



Electrical Performance Summary

Parameter	Typ	Unit
Frequency Range	50 to 75	GHz
Attenuation	3	dB
Return Loss	10	dB

Summary only – refer to the Electrical Specifications, Absolute Maximum Ratings, and Recommended Operating Range tables for complete details.

Part Ordering Options

Part Number	Description	Package	Green Status	Product Lifecycle	Export Classification
ATN03-15FH00WG	1" HP WR-15 3 dB Attenuator	WR-15	REACH RoHS	Released	EAR99

Table Of Contents

■ Device Overview

- General Description
- Features
- Electrical Performance Summary
- Part Ordering Options

■ Specifications

- Electrical Specifications
- Absolute Maximum Ratings
- Package Information

■ Port Configuration and Functions

- Port Functions

■ Mechanical Data

- Outline Drawing

■ Revision History

SPECIFICATIONS

Electrical Specifications

Parameter	Test Conditions	Minimum Frequency (GHz)	Maximum Frequency (GHz)	Min	Typ	Max	Unit
Frequency Range	-	50	75	-	-	-	GHz
Attenuation	-	50	75	-	3	-	dB
Return Loss	-	50	75	-	10	-	dB

Absolute Maximum Ratings

Parameter	Maximum Rating	Unit
Power Handling	10	W

Package Information

Parameter	Details	Rating
Dimensions	-	L = 1 in.

Port Functions

Port	Function	Connector Type	Description	DC Equivalent Circuit
Port 1	RF Input / Output	-	RF input/output.	-
Port 2	RF Input / Output	-	RF input/output.	-

REVISION HISTORY

Revision Code	Revision Date	Comment
-	2024-05-01	Initial Release

DISCLAIMER

MARKI MICROWAVE, LLC., ("MARKI") PROVIDES TECHNICAL SPECIFICATIONS AND DATA (INCLUDING DATASHEETS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, AND OTHER INFORMATION AND RESOURCES "AS IS" AND WITH ALL FAULTS. MARKI DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT.

These resources are intended for developers skilled in the art designing with Marki products. You are solely responsible for (1) selecting the appropriate products for your application, (2) designing, validating, and testing your application, and (3) ensuring your application meets applicable standards and other requirements. Marki makes no guarantee regarding the suitability of its products for any particular purpose, nor does Marki assume any liability whatsoever arising out of your use or application of any Marki product.

Marki grants you permission to use these resources only for development of an application that uses Marki products. Other reproduction or use of these resources is strictly prohibited. No license is granted to any other Marki intellectual property or to any third-party intellectual property. Marki reserves the right to make changes to the product(s) or information contained herein without notice.

MARKI MICROWAVE, M wave logo, FastSwitch, and T3 MIXER are trademarks or registered trademarks of Marki Microwave, LLC. All other trademarks used are the property of their respective owners.

© 2024, Marki Microwave, LLC