

GL-D-80120-17-20 Drop-in-Isoiator 8.0-12.0GHz 17dB Isolation Forward Power 20 W

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### Product Information

SKU	GL-D-80120-17-20
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### Description

Description	Drop-in-Isoiator GL-D-80120-17-20, operating from 8.0-12.0GHz, has a 0.6dB insertion loss and low VSWR 1.50:1. It can handle a forward power of 20W and a reverse power of 5W. The isolator also offers an isolation of 17dB. An isolator is a two-port device that allows microwave or RF power to transmit unidirectionally while blocking reverse signals. It can be regarded as a 'diode' for RF energy. Its primary role is to isolate equipment from external environmental influences. A typical application involves protecting microwave sources from detuning caused by load mismatches. The A-INFO's coaxial isolator is manufactured with a high precision machining process to ensure high quality and ruggedness. This isolator is ideally suited for measurement, radio systems, communication systems, radar systems and other applications.
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### Technical Specification

Electrical Specification		Interface
Interface	Coaxial	Environmental Specification
Device Type	Isolator	Mechanical Specification
Design	Single Junction	
Direction	Clockwise	
Frequency, Min (GHz)	8	
Frequency, Max (GHz)	12	
I.L., Max (dB)	0.6	
VSWR, Max	1.35:1	
Isolation, Min (dB)	17	
Forward Power, CW, (W)	20	
Reverse Power, CW, (W)	5	

Additional Information

Application	General Purpose Indoor & Outdoor, Fixed
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About this Datasheet

<ul style="list-style-type: none"><li>Product Information</li></ul> <p>Product Link: <a href="https://www.ainfoinc.com/gl-d-80120-17-20-drop-in-isolator-8-0-12-0ghz">https://www.ainfoinc.com/gl-d-80120-17-20-drop-in-isolator-8-0-12-0ghz</a> Data subject to change without notice. © A-INFO INC. 2024. All Rights Reserved</p>	<ul style="list-style-type: none"><li>Contact Us</li></ul> <p>Address: 60 Tesla, Irvine, CA 92618, USA</p> <p>Website: <a href="http://www.ainfoinc.com">www.ainfoinc.com</a></p> <p>Email: <a href="mailto:sales@ainfoinc.com">sales@ainfoinc.com</a></p>	<ul style="list-style-type: none"><li>Phone &amp; Fax</li></ul> <p>Phone: +1-949-639-9688 +1-949-639-9608</p> <p>Fax: +1-949-639-9670</p>
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