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Wideband 30 dB Directional Coupler Supports RF Testing from 300 MHz to 8 GHz

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Content

Werbel Microwave's **WMC-0.3-8-30dB-S** is a wideband directional coupler covering **300 MHz to 8 GHz** with **30 dB nominal coupling**, providing RF signal sampling across multiple frequency bands.

The coupler features **23 dB typical directivity**, **±0.6 dB typical coupling flatness**, **0.5 dB typical insertion loss**, and **25 dB typical return loss**. It supports up to **20 W maximum input power** and is configured with SMA female connectors.

Its broad frequency coverage makes the WMC-0.3-8-30dB-S well suited for **RF test and measurement, signal monitoring, power measurement, communications testing, and defense RF systems** where a sampled signal is required for measurement or monitoring.

By covering frequencies across upper UHF, L, S and C bands, the WMC-0.3-8-30dB-S can support broadband test environments and system architectures that operate across multiple RF bands.

Technical resources, including **S-parameter data, datasheet, 2D CAD and 3D model files**, are available for engineering evaluation.

Supporting Links:

<https://werbelmicrowave.com/wmc-0-3-8-30db-s/>

<https://werbelmicrowave.com/>

<https://werbelmicrowave.com/contact/>

Tags:

Aerospace & Defense, RF, Test & Measurement, Wireless Infrastructure

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About Us:

Heading : About Werbel Microwave

Werbel Microwave manufactures precision RF and microwave components such as couplers, power dividers, quadrature hybrids, resistive dividers and more for defense and commercial applications including SATCOM, AESA radar, EW/SIGINT, 4G/5G infrastructure, and RF test & measurement. Privately owned since 2014, we're ISO 9001:2015 certified and ITAR registered, known for reliable, long-lasting components and responsive support for engineering teams that need it right the first time. Visit www.werbelmicrowave.com for more information.