wavexorb

Introducing wavexorb
advanced performance microwave absorbers

In the context of electronic applications involving RF or microwaves, absorbers are materials which attenuate electromagnetic wave energy, and are used in a range of scenarios to reduce undesirable radiation that could interfere with system operation. Absorbers are typically constructed of a material which serves as a mechanical matrix and one or more filler materials which provide the absorption characteristics.

Request your wavexorb Engineering Kit

In order to facilitate testing, wavexorb is pleased to provide customers with a sample kit containing our most popular absorber products. Request yours today.

Narrowband Absorbers

wavexorb Narrowband Absorbers, also known as tuned-frequency or resonant-frequency absorbers are generally a single layer absorber that resonates at a specified frequency. Narrowband absorbers are ideally suited for applications requiring absorption at a specific frequency or narrow band typically providing +/- 10% of the resonant frequency. Narrowband absorbers can be custom formulated to a frequency by simply changing the formulation and thickness.

- 33 different wavexorb Narrowband formulations
- Target frequencies from 1.75GHz to 18.0GHz

Scan to view a list of wavexorb narrowband products and data sheets

Broadband Absorbers

wavexorb Broadband Absorbers are typically used for applications where absorption is required over a wider band of frequencies, or in situations where frequencies are not well known or change dynamically. Broadband absorbers are made from silicone or foam. Broadband absorbers made from foam offer performance across a broad range of frequencies, while offering lightweight construction suitable for airborne or other mass-critical applications.

- 20 different wavexorb Broadband formulations
- 4 base material types

Scan to view a list of wavexorb broadband products and data sheets

Typical applications:

- Radio and Microwave transceivers
- Antennas
- GPS
- Radar
- Avionics
- Base stations and wireless access points
- Test equipment
- Anechoic chambers
- Satellite terminals
- Medical instruments
- Telematics
- RFID readers

RoHS COMPLIANT

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