

Fixed Attenuators in a Distributed Antenna System

Signal integrity in good times and bad, in all locations and operating conditions

A distributed antenna system (DAS) is deployed to provide coverage in unique settings, like a convention hall, subway station or a building where a signal can't get through, and to provide additional capacity for special events, like a soccer game, a concert -- or emergency situation. To distribute critical signals, high performance attenuators and RF components are required. Providers of DAS solutions choose Spectrum Control's attenuators and passive coaxial components.

Every DAS is Different

Every DAS installation is unique and dependent on multiple RF feeds and service providers. Multiple antennas and media are involved which include fiber, coax, and twisted pair. Spectrum Control coaxial components have been tested, optimized and deployed across these and other architectures.

Critical to every DAS is the signal source

Maintaining the integrity of the signal source is mission-critical. Only the best performing fixed attenuators can consistently deliver the required performance. Spectrum Control customers know the choice of components and technologies can make or break their design, whether building for capacity or for coverage, or both.



Our superior quality attenuators are used in defense, test, wireless and other industries.



For those moments when everyone has to be on their phone

Spectrum Control has been supporting DAS installations for years. Spectrum Control's decades of innovation, quality, and on-time delivery of passive coax components has made our fixed attenuator product line the industry standard.

Fixed and Manual Step Attenuators

Everywhere people congregate, they are all on their phones. DAS helps make this possible but it requires the best attenuators to ensure signal integrity. Spectrum Control attenuators, also used in defense, test, aerospace and other industries, are available in the following types:

- Frequency ranges up to 50GHz and Power to 1.0KW
- Custom designs available for specific DAS requirements
- Low PIM resistive-based designs available; customized by power, connector type and weight
- Fixed, manual step, surface mount and custom designed attenuators
- Rugged designs