



SUCCESS STORY

On-Time And On-Budget Built to Spec DAS Roll-out

Powerfilm attenuators deliver on power, frequency, and quantity for each installation

Spectrum Control's Powerfilm surface mount attenuators, available for up to 250 watts and up to 18 GHz, are commonly selected for DAS installations. They are designed to uniformly reduce power of the RF signal while generating only a small reflection under any operating conditions. The Powerfilm team's ability to test, validate, optimize, manufacture and support DAS implementations and systems integrators ensures timely, on-budget roll-out.

Why Providers Choose Spectrum Attenuators

Every DAS installation is dependent on multiple RF feeds and service providers, and often multiple antennas and media are involved, including microstrip, coplanar or coaxial interconnects. Not a problem. Critical to every DAS is the signal power leveling and Powerfilm is uniquely designed to support your frequency and amplitude control needs.

Whether designed for capacity or coverage or both, critical to every DAS is the signal source and Powerfilm is uniquely able to meet the power and frequency requirements of your DAS.

The choice of attenuators, terminations or resistors can make or break a DAS design, whether it's being built for capacity or coverage, or both. Spectrum Control's Powerfilm line of surface mount resistive products are designed, tested, optimized, manufactured and supported from our Ann Arbor, MI facility, and built to standard or custom specifications.



Powerfilm attenuators are also used in defense, test, wireless and other industries.



The Powerfilm Difference: Optimum Performance that Lowers Your Costs

Powerfilm surface mount resistives have been deployed across different DAS implementations due in part to their proven ability to meet the unique requirements of each DAS installation. Features include small size and weight, ability to deliver the exact number of attenuators required, and designed to support unique high-frequency and high-power environments. Other features include:

- Small size-weight/low cost/compatible optimized for automated high-volume assembly (SWAP-C)
- Support for both high-performing BeO and environmentally-friendly AlN solutions
- Support for high-frequency solutions with thin-film and high-power solutions with thick-film resistors
- Standard dB values from 0 to 20dB and Ohm values from 3 to 200
- Multiple terminal/wrap configurations available
- 1%, 2%, 5% tolerance options as required
- Low PIM options