

SUCCESS STORY

Power Filters for Telecom Switching Equipment

Single-line feedthrough filters protect systems from RF interference

Telecommunications switching equipment is susceptible to RF interference. Spectrum Control's single-line EMI power filters protect the electronic systems, both wired and wireless, from the severe threats that continue to grow as the grid expands.

Why Spectrum Control Filters

Spectrum Control's design engineers have decades of experience solving interference problems that are common in the telecommunications industry. We offer design flexibility to meet our customer's stringent requirements. We also incorporate filtering and custom circuitry into one device that will simplify the installation and inventory of these applications.

Spectrum Control's EMI power filters are offered in various voltage ranges.

Spectrum Control has a fully equipped EMC testing laboratory that can be utilized for customer compliance to individual system requirements. This offers a flexible resource to assist in product development by identifying and correcting EMI susceptibility and emission problems. Transient test capabilities, including for military, lightning, and electrostatic discharge are also provided.



Single-line feedthrough filters mounted on racks. Perfect for applications that require many lines to be filtered in close proximity.



RF interference is common in communications hardware. Power filters protect against this.

Core Differentiator: Vertical Integration

Spectrum Control's rugged EMI power filters incorporate our coaxial filter technology with internal isolation and multi-pole feedthrough techniques, providing superior insertion loss. These designs offer high-reliability filters while also providing shorter lead times thanks to our vertical integration.

These AC and DC power filters offer EMI filtering in a compact package with high-temperature construction and current ratings up to 10 amps. They are non-polar, surface mountable, and are available in Pi circuit configurations. Other features include:

- Bolt-in style with D-shaped bushing for easy installation
- Ideally suited to help meet NEBS, GR 1089, and EN5 5022
- Suitable for both indoor and outdoor applications
- Various mounting brackets available