



SUCCESS STORY

Powerfilm Surface Mount Resistives for Test Equipment

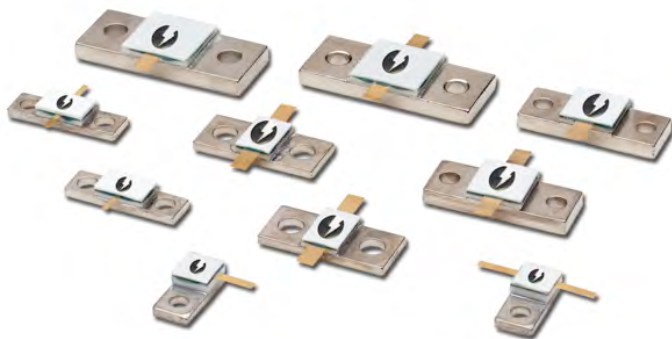
For device makers that require high-frequency performance, accuracy, power-handling and tolerance

Leading Test & Measurement equipment makers are expanding their product offerings and their capabilities after selecting Spectrum Control's Powerfilm resistive products. Surface-mount chip attenuators with high-accuracy custom values of attenuation and impedances have enabled customers to achieve the desired requirements, resulting in overall product sales gains.

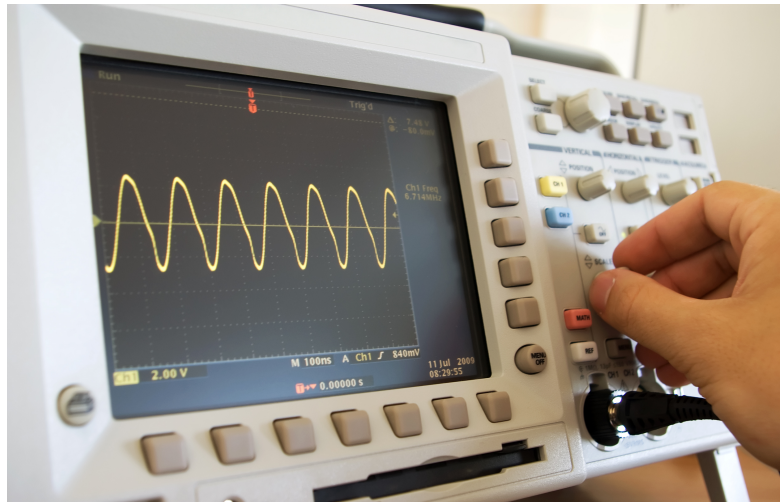
Why Spectrum Control Resistive Products Are Selected Test equipment makers select Powerfilm's full line of resistive products, including surface mount attenuators, terminations and rod resistors because of Powerfilm's ability to support high-frequency and high-power requirements, and the ability to customize electrical performance, sizes, and finishes to their unique needs.

The Powerfilm team tests, validates and customizes its attenuators, terminations and resistors to the customer's unique requirements.

For example, several major high-frequency Test & Measurement calibration systems OEMs chose Powerfilm rod resistors, which offer custom size and custom Ohm values, to support their metrology products. An industry leader in 5G and Wireless test equipment selected Powerfilm AIN surface-mount chip terminations for its high power handling, superior cost of ownership and installation, and positive environmental impact.



For their device, the customer chose Powerfilm surface mount flange attenuators for high-power frequency, and for custom adjustment of signal amplitude.



The need for extremely accurate attenuation and input impedance is one reason test equipment makers choose Spectrum Control's Powerfilm resistives.

Design, Testing, Validation and Optimization

In addition to frequency and power requirements, Test and Measurement applications require strict electrical and mechanical tolerances. The Powerfilm application engineering team can validate the customer's application requirements and uncover additional opportunities to deliver optimized performance.

Other notable Powerfilm features include:

- Available in surface mount chip, flange, pill, and rod implementations
- Installation options include soldering, wire-bonding, hybrid, and coaxial assembly
- Frequency applications from DC to 40 GHz
- Power applications from 100mW to 1000 Watts