



SUCCESS STORY

Powerfilm Chip Attenuators for mmWave 5G

Surface Mount Chip Attenuator, Best-in-Class Performance, Rated to 40GHz, In 0603 Package Size

The newest Powerfilm chip attenuator, 40PCA3060, delivers 40 GHz performance and beyond in a 30x60 (0.89x1.65mm) package, and with power handling to 1W, optimized for commercial mmWave 5G applications.

5G at mmWave frequencies expands self-installation options, enables all-sized businesses guaranteed reliability for their mission-critical applications, and delivers home broadband that's fast enough for high-definition video streaming. The potential for new services, new customers and higher margins is immense. Spectrum Control's newest chip attenuator, the Powerfilm 40PCA3060, helps make this possible.

Optimized for sub 6GHz and mmWave 5G

5G is available at "low band," which operates at frequencies lower than 1 GHz; "mid band," which are frequencies between 1-6 GHz; and millimeter wave band, at frequencies spanning 24-52 GHz, plus unlicensed spectrum. With its much higher throughput, 5G at mmWave frequencies offers the greatest potential for innovative new

Best-in-class performance at mmWave band

The number of base stations required to support deployment is expected to increase due to the attenuation characteristics of the millimeter-wave band. Powerfilm 40PCA3060 surface mount attenuators, rated to 40GHz, are optimized for you to leverage 5G's potential.



*40 GHz performance and beyond,
in a 30x60 (0.89x1.65mm) package.*



Powerfilm helps you grow customer revenues by offering fixed wireless gigabit broadband on 5G mmWave

Clear Competitive Differentiators

Unlock the value of tomorrow's fully connected economy with a smooth transition to 5G. Powerfilm 40PCA3060 is rated to 40GHz, and tested higher, higher than competitive offerings, and with lower reflection at equivalent frequencies. It's also suitable for amplifiers, receivers, up/down converters, phase-matched antenna arrays and switching network circuits.

All Powerfilm surface mount passives are designed, tested and manufactured in our Ann Arbor, MI, USA facility, and our Quality Assurance system is qualified to ISO-9001:2015.

Features and Customization

- 40 GHz 1 Watt performance
- 30x60 (0.89x1.65mm) package
- Surface mount (drop-in or bond and wire)
- Selectable dB values (1-12dB; 15 & 20dB)
- Thin film resistor
- Available in lead-free, tin-lead solder or gold finish
- Design kits are available