

## **Attenuator and Phase Shifter Combined in Surface Mount Package**



The Micro-Precision Technologies

MPT-1820-APS and MPT-2023-APS combines an attenuator and phase shifter into a single surface mount package. Both the attenuator and phase shifter are variable and can be controlled from separate voltage or current sources. The APS features low insertion loss (less than 2 dB combined), low group delay (less than 100 ps combined), and low intermodulation products (typically 45 dBm). The flat amplitude response and phase linearity across the frequency band provides superior performance in communication systems from 1.8 to 2.3 GHz. The small size saves real estate and cost.

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<http://www.wirelessdesignmag.com/product-releases/2001/07/attenuator-and-phase-shifter-combined-surface-mount-package>