

Phase Shifters Electronically Analog Controlled.



Electronically Controlled Phase Shifters Covering Frequencies 10 – 2500 Mhz

SigaTek microwave introduces new additions to the product line. Analog phase shifters covering frequency range of 10 – 2500 Mhz. Bands covered are octave and 10% bands. Also custom designs are available to meet any frequency and phase shift. Applications of these phase shifters are microwave systems that require voltage controlled phase shift, like scanned antennas systems that have a closed loop feedback circuits that need a voltage controlled network for steering.

SigaTek offers a big selection of microwave components covering the frequencies DC - 80 Ghz: [Power dividers](#), [directional couplers](#), [90 and 180 degree hybrids](#), [microwave mixers](#), [frequency doublers](#), [bias tees](#), [I Q modulators](#), [demodulators](#), [image reject mixers](#), [analog phase shifters](#), [coaxial load terminations](#), [connectors](#) and [adapters](#).

These phase shifters are designed using lumped elements components. Use of quadrature hybrids (power dividers 90 degree) with a matched pair of LC networks connected at the two outputs of the hybrid. The resonant frequency of the LC network (varactor diode and high Q fixed inductor) is adjusted with the controlled voltage resulting in constant amplitude (ideally) and varying phase 0 -180 degree across the frequency of operation. Two devices can be connected in series to give a resulting phase shift of 0 - 360 degree. Control voltage is 0 – 20 Vdc
Sigatek phase shifters are with SMA connectors.
Visit website page for a complete line of [phase shifters](#).



Visit www.sigatek.com web site for a complete product line and check real time inventory.

ALL STOCK ITEMS SHIP THE SAME DAY

SigaTek microwave specializes in high quality, high frequency microwave communication components up to 80 GHz. As a pioneer supplier of microwave RF components, the main products include directional couplers, power dividers/combiners, 3 dB hybrids 90° and 180°, bias tees networks, microwave mixers, frequency doublers, I Q modulators demodulators, Image reject mixers, analog phase shifters, 50 ohm load terminations, and coaxial connectors and adapters. All microwave components IN STOCK are available for same day delivery. Although we have a broad selection of components, custom and optimized designs are available upon customer request.

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