

SigaTek Announces I, Q Modulators, Demodulators, Image Reject Mixers



Communication Components

Octave and Special Band I, Q Networks Covering Frequencies 10 Mhz – 16 Ghz

SigaTek microwave introduces a new family of octave and special band I Q modulators, demodulators and Image Reject Mixers. These devices feature excellent loss, amplitude balance, phase balance and image rejection. Octave bands and special bands covering the frequency range of 10 Mhz to 16 Ghz.

SigaTek offers a big selection of microwave devices 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](#).

Model QM54A10 is an octave band I Q single sideband modulator that covers the frequency range of 200-400 Mhz. Is housed in a small housing using SMA female connectors. It features excellent loss of 9.0 dB, carrier and sideband rejection is 22 dBc. Isolation is greater than 40 dB, amplitude balance is less than 0.6 db and phase balance ± 6 degree when is used as a demodulator. Modulation and demodulation I Q frequency is DC-100 Mhz
[View all designs of I Q Modulators 10 Mhz-16 Ghz](#)



An image reject mixer is often used to eliminate a close sideband from converting to the IF frequency. Model QR32A11 is an Image Reject Mixer covering the frequency range of 14-16 Ghz. This high frequency design features a carrier rejection of 15 dBc and a side band rejection of 20 dBc. Low loss of 11 db and IF input frequency can be octave or special band.
[View all designs of Image Reject Mixers 10 Mhz-16 Ghz](#)



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.

SigaTek Microwave

423 Black Oak Ridge rd, Wayne, NJ 07470
Phone: 973-706-8475, Fax: 973-832-4435
Email: sales@sigatek.com
Web: www.sigatek.com