16-Channel Ku-Band Beamformer

10/20/2021 – San Jose, California: RFMW announces design and sales support for an active beamforming RFIC from Renesas. The F6123S is a sixteen-channel, dual-beam receive active beamforming RFIC designed for application in Ku/CDL-Band (14 to 17 GHz) planar phased array antennas. The IC has eight RF input ports, two RF output ports and 16 (8 per beam) phase/amplitude control channels. The eight input ports of the F6123S may be driven by eight single-polarized elements or four dual-polarized elements of an electronically scanned array (ESA). Each channel has 6-bits of digital phase and gain control resolution spanning 360° and 26 dB of dynamic range, enabling precise beam pattern and polarization control.

Samples are available for qualified requirements through RFMW at 1-877-FOR RFMW (367-7369) within North America; or please find your local sales engineer (worldwide) at the contact page on the RFMW web site.

About RFMW

RFMW is a specialty electronics distribution company focused exclusively on serving customers that require RF and microwave components and semiconductors, as well as component engineering support. The company continues to expand its list of products from selective suppliers with RF/microwave expertise. RFMW deploys a highly experienced, technically skilled team to assist customers with component selection and fulfillment.

To learn more about RFMW, visit their Website at www.rfmw.com, or call us at 1.877.FOR.RFMW (367-7369), or via e-mail at info@rfmw.com.

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