Dual Path Active Antenna System FEM

1/14/2021 – San Jose, California: RFMW announces design and sales support for an integrated dual-path RF front-end. Each path of the Renesas F0453B consists of an RF switch and two gain stages with 6 dB of gain control supporting analog front-end receivers in Active Antenna System (AAS) from 3300MHz to 4000MHz. The F0453B provides 34.5 dB gain with +23 dBm OIP3, +15 dBm output P1dB, and 1.35 dB noise figure at 3500 MHz. Gain is reduced 6 dB in a single step with a maximum settling time of 31 ns. The device uses a single 3.3 V supply and 130 mA of IDD. The F0453B is offered in a 5 x 5 x 0.8 mm, 32-LGA package with 50Ω input and output impedance for ease of integration into the signal path. Typical applications include Multi-mode & Multi-carrier receivers, 4.5G (LTE Advanced) and 5G band 42 & 43.

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.

###