Always-on Power Limiter Protects X-band Receivers

12/15/2020 – San Jose, California: RFMW announces design and sales support for a high power, SMT RF limiter. The RFuW Engineering model RFLM-802123QC-291, silicon, PIN-Diode limiter module offers both high power CW and peak power protection for X-band applications (8.7 to 10.7 GHz). Capable of handling average power up to 80 Watts (49 dBm) and pulsed peak power up to 200 Watts (53 dBm at pulse width = 40 usec, duty cycle = 5%), the RFLM-802123QC-291 maintains low flat leakage to less than 20 dBm (max), and reduces spike leakage to less than 0.5 ergs. Recovery time is <1 uSec. The combination of high peak power handling and fast recovery time is mandatory for mission-critical applications. RF performance is exceptional with insertion loss of less than 1.5 dB. This quasi-active limiter requires no external control lines or power supply connections offering “always on” protection. Offered in a 9 x 6 x 2.5 mm, ceramic surface mount package.

Samples are available for qualified requirements through RFMW at 1-877-FORRFMW (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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