

Components News

SGRB12028S

120V to 28V 400W



The SGRB12028S is a space rated DC-DC converter specifically designed for the harsh radiation environments of the most demanding commercial, scientific and military space applications.

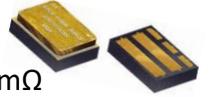
Using advanced GaN technology, the SGRB is radiation-hardened and achieves very high efficiency.



EPC · SPACE

EPC7019G

Rad Hard eGaN® 40 V, 95 A, 4.0 mΩ



EPC Space introduces the new 40 V radiation-hardened (rad-hard) GaN transistor for power conversion solutions in critical spaceborne and other high reliability environments.

The EPC7019G is a ideal solution for powering demanding and power hungry FPGAs.



Space-Qualified Oscillators with Multiple CMOS Outputs

Offering a master clock for multiple FPGAs is a desirable feature in many satellite and aerospace applications," said Scott Sentz, Q-Tech's Director of Sales and Marketing. "Q-Tech has led the way in this area with our LVDS output series. This new series provides designers with a choice or LVDS or CMOS logic, allowing added design optimization choices.



EV12AQ600 now QML Y certified

ADC with sampling up to 6.4GSPS



It has a 7GHz analog bandwidth and many nice features like the Cross Point Switch, which transforms the ADC from a 1 to 4 channels, the Sampling Delay Adjust, and easy multi-chip synchronization feature. It has successfully passed radiation testing up to 150kRad and is already Space-proven.



LS1046-Space a Edge Compute Intensive Microprocessor for Space



LS1046-Space EMs / EQMs are available. FMs planned in June 2022.

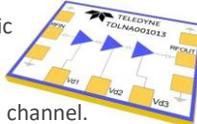
TID level of 100 krad, and is SEL immune up to 60 MeV.cm²/mg.



Q-Tech is releasing a list for all Space Parts they have in stock, every Month, please contact us if you have a urgent need for Space Oscillators, Q-Tech might have them in stock or at least similar to your needs. (see attached stock list from this week)

Rad Tolerant X-Band LNA

The TDLNA001013 LNA leverages monolithic microwave integrated circuit (MMIC) design techniques that deliver superior performance in the X-band communication channel. The TDLNA001013 delivers a gain of 26 dB from 8 GHz to 12 GHz while maintaining a noise figure of less than 1.4 dB and an output power (P1dB) of 12 dBm. The Class K-equivalent element evaluation is performed per wafer.



Rad Tolerant 20GHz SPDT RF Switch

The TDSW020A2T leverages monolithic microwave integrated circuit (MMIC) design techniques that deliver superior performance in the Ku and K microwave and millimeter-wave bands. The switch delivers low insertion loss, high isolation, fast switching times, and high linearity across a wide frequency band from dc to 20 GHz and attains an input power 1 dB compression of 28 dBm (typical).

