

## **A RadHard Logic Level MOSFET for Military and Space Applications**

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VPT Components has developed a radiation hardened logic level silicon MOSFET based on their family of standard level (i.e. 12V VGS) MOSFETs. These new logic level MOSFETs use a mature, flight proven design and are fully radiation hardened to greater than 100krad(Si) total ionizing dose (TID). Further the MOSFETs are single event gate rupture (SEGR) and single event burnout (SEB) immune at full rated drain potential and zero gate potential using a 15MeV/n xenon (Xe) beam. VPT Components MOSFETs are also resistant to SEGR and SEB using a 15MeV/n gold (Au) beam when used with a de-rated drain to source bias.