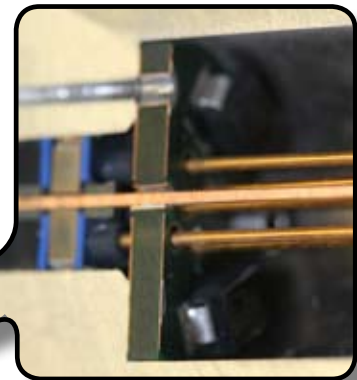
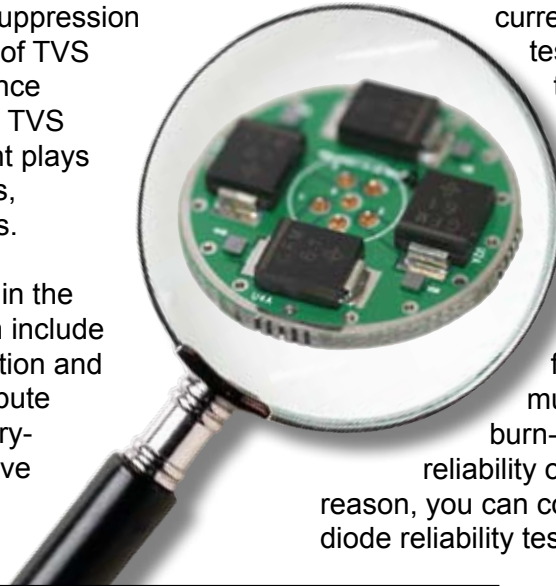


A

Glenair Diode Burn-In Services: Fast, Reliable and Comprehensive

In addition to complete system design for EMI/RFI filtering applications and transient over-voltage suppression, Glenair offers in-house high temperature reverse bias (HTRB) diode burn-in services—a screening process designed to ensure Transient Voltage Suppression diode reliability. The reliability of TVS devices is of extreme importance due to the mission-critical role TVS protected electronic equipment plays in aerospace, communications, command and control systems. Failure of a diode is generally attributed to a physical defect in the part. Diode failure modes can include thermal fatigue, contact migration and other factors which can contribute to a short-circuit mode. Industry-standard qualification tests have been developed with stress levels matched to application

requirements. The HTRB test is used to monitor off-state leakage currents to reveal any failure modes prior to final assembly. In general, semiconductor manufacturers can take weeks to deliver tested diodes, whereas Glenair currently takes only days. Our test lab has the capabilities to test surface mount or leaded diodes. Leakage current is monitored throughout the burn-in process. Other labs may just take readings only before and after cycling, potentially missing weak diodes that could fail in the field. Glenair takes and records multiple reading throughout the burn-in process to ensure highest reliability of HTRB services. For this reason, you can count on Glenair for unparalleled diode reliability testing.



Glenair's state-of-the-art diode burn in process tests leaded and surface mount diodes with leakage current monitored throughout the entire test procedure, ensuring field reliability.