



EQUIVALENT 6.4V ZENER DIODE ASSEMBLY EVALUATION PLAN

OBJECTIVE: To check the electrical performance of the equivalent 6.4V zener diode assembly at board level for replacement in 5B45, 5B46, 1B21, 1B22 and 1B41 using the 1B21 as the test vehicle .

PLAN: A representative sample of 1B21 product, will be assembled. Twenty sample pieces from each model will be assembled with the proposed equivalent 6.4V diode assembly. All sample pieces will be serialized and electrical test data logged. The sample pieces will be subjected to reliability testing as detailed below.

Reliability Test

1. Subject evaln units to 240 hrs of Burn-In (Early Life Test).
2. Cool down units and then perform Outgoing Quality Control (OQC) Test
3. Subject evaln units to 500 temperature cycles test (TCT).
4. Cool down units and then perform Outgoing Quality Control (OQC) Test.
5. All failed units will require full failure analysis.