

Appendix D: Screening Guides

HRP 102: Finished Bridge Rectifier Assemblies

The following screening for bridge assemblies is a guide for a suggested procedure. It can be modified or adjusted to suit requirements. This is taken from MIL-PRF-19500 Table IV, JANTX screening.

1)	High Temperature Life (non-operating life/ stabilization bake MIL-STD-750)	Method 1032	24 hrs @ 125°C
2)	Temperature Cycling MIL-STD-202	Method 107 Condition C	10 Cycles -55°C to +125°C 15 min. extremes
3)	Interim Electrical		Forward Voltage Drop Leakage Current
4)	High Temperature Reverse Bias (HTRB) MIL-STD-750	Method 1038 Condition A	24 hrs @ +125°C at 80% of VRWM
5)	Final Electrical MIL-STD-750	Method 4011 Method 4016 Method 4021	Forward Voltage Drop Leakage Current Breakdown Voltage
6)	Visual Mechanical Inspection	Per Specification	Per Specification