

Appendix

QUALITY CONFORMANCE INSPECTION

All tests are 100% unless otherwise noted.

Inspection	S ² R Level "W"	S ² R Level "T"	MIL-PRF-28750 Level "Y"
Destructive Wirebond Pull Test (Sample test) MIL-STD-883 Method 2011	✓	✓	✓
Internal Visual MIL-STD-883 Method 2017	✓	✓	✓
Constant Acceleration MIL-STD-883 Method 2001, 5000 Gs, Y1 axis			✓
Temperature Cycling MIL-STD-883 Method 1010, 10 cycles	✓ Specified temp range	✓ Specified temp range	✓ -55° to +125°C
Load Conditioning 3 hours at rated input and load 90% duty cycle, 1 to 30 operations per second (latching fault indication for drop out)	✓	✓	✓
Pre Burn-In (optional)			✓
Burn-in Test MIL-STD-883 Method 1015, 160 hours at specified temperature and rated load (latching fault indication on failure)		✓ (48 hours of same testing for plastic-packaged relays)	✓
Dielectric Withstanding Voltage MIL-STD-202 Method 301	✓	✓	✓
Insulation Resistance MIL-STD-883 Method 1003	✓	✓	✓
Electrical Characteristics at -55°C		✓	✓
Electrical Characteristics at +25°C	✓	✓	✓
Electrical Characteristics at +125°C (or as specified)		✓	✓
Seal MIL-STD-202 Method 112 (Gross) MIL-STD-883 Method 1014 (Fine)	✓ (N/A for plastic-packaged relays)	✓ (N/A for plastic-packaged relays)	✓
Visual/Mechanical (Sample test)	✓	✓	✓
Solderability (2 Samples) MIL-STD-202 Method 208		✓	✓