

Table 3. Mechanical Tests

Test Name	MIL-STD/JEDEC Reference	Test Conditions	Units Tested	Units Failed
Mechanical shock	JESD22-A101	1500G, 0.5msec, 5 shocks in each of orientation (X1, X2, Y1, Y2, Z1, Z2)	30	0
Vibration Variable	JESD22-A103	20G min, 20 to 2K Hz, 4 cycles, 4 min, Each X, Y, Z axis	30	0
Solderability Test	JESD22-A102	1 hr steam aging and solder dip at 245°C for 5 seconds	30	0
Resistance to Solder heat	JESD22-A106	260°C for 10 seconds	30	0

Note: A failure is any LED open, short, or fails to emit light (except solderability test).

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