

Micro Commercial Components Corp.

Tin Whisker Test Report for SMD-A42

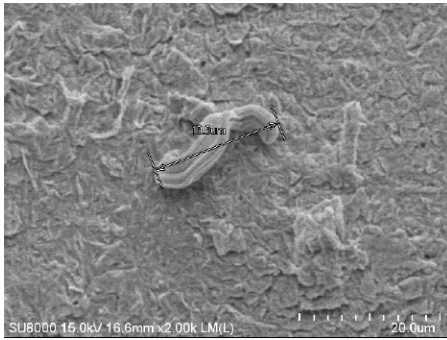
Test Purpose: Inspect the performance of whisker growth Category: A42 base material with tin plating, plating thickness is 8~20um, heat treat method is 150°C annealing for 1 hour

Test Conditions: JESD201A

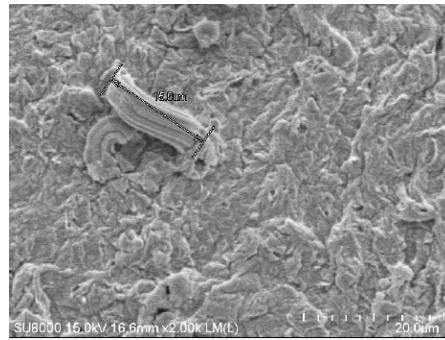
Test Items	Test Condition	Acceptance Criteria
TCT	-40°C~85°C, 10min soak, 2000cycles	≤50um
THT	30°C/60%RH, 4000Hrs	≤40um
HT&H	55°C/85%RH, 4000Hrs	≤40um

Package list: SOT-723, SOT-563, SOT-523, SOT-363, SOT-323

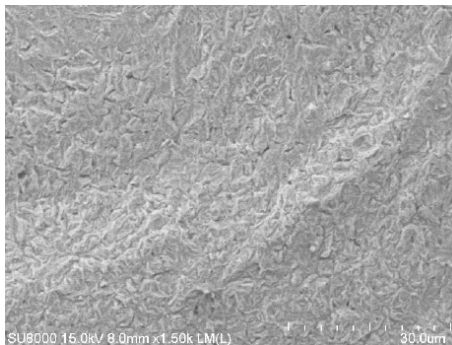
Test Results:



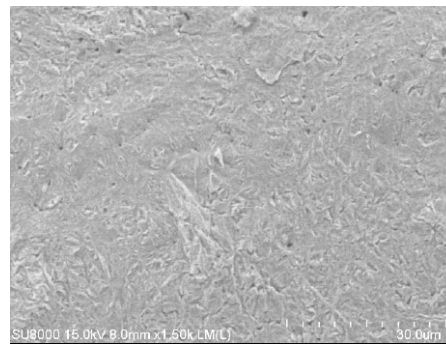
TCT 18.8um max



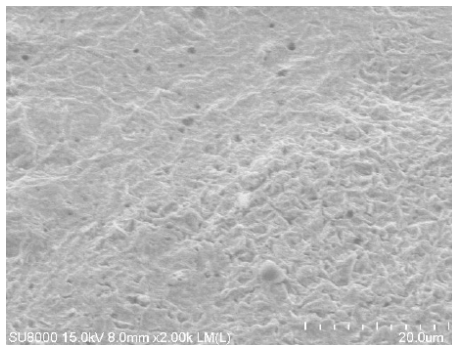
15.9um



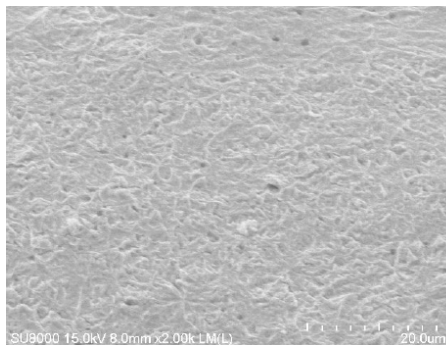
THT No Whisker



No Whisker



HT&T No Whisker



No Whisker

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Date: 2020-7-20

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