



Device Service Certificate of Results

Customer Information

Customer Name:	ASAP Semiconductor
Customer Contact:	Joe Faruqui
Customer Address:	3625 W MacArthur Blvd Suite 314 Santa Ana, CA 92704

Device Information

Device:	3550S-1-502
Manufacturer:	Bourns
D/C:	8721
Received Quantity:	5
Test Quantity:	5
Test Facility Location:	Aus1
Sales Support:	Griffin Jarzombek

Results Summary

Visual Results RtS per MIL-STD-883G, Per Method 2015	Electrical Results Per Quoted Parameters
RtS Testing(From Sampling): Pass	Temp: 25c
Leads/Balls(From Sampling): Pass	QTY Pass: 5
Body(From Sampling): Pass	QTY Fail: 0
Markings(From Sampling): Pass	
Decapsulation: Not performed	
Solderability Testing MIL-STD-883G, Per Method 2003	X-Ray Testing MIL-STD-883G, Per Method 2010
QTY Tested: Not Performed	QTY Tested: Not Performed
QTY Pass: Not Performed	Notes: Not Performed
QTY Fail: Not Performed	

Findings: Based on the results of processing performed no non-conformities were found.

Processes Performed (Checked items listed below):

<input checked="" type="checkbox"/> QA Incoming Sample Visual	<input checked="" type="checkbox"/> Complete Lot Visual	<input type="checkbox"/> Decapsulation	<input type="checkbox"/> X-Ray	<input type="checkbox"/> Solderability Testing	<input type="checkbox"/> C-SAM
<input checked="" type="checkbox"/> Electrical Testing at Ambient	<input type="checkbox"/> Electrical Testing at Temperature	<input type="checkbox"/> Solder Dipping	<input type="checkbox"/> Bake and Dry Pack	<input type="checkbox"/> Tape and Reel	<input type="checkbox"/> Burn In
<input type="checkbox"/> Device Programming	<input type="checkbox"/> Other	<input type="checkbox"/> Other	<input type="checkbox"/> Other	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> QA Outgoing Validation



Incoming/ Receiving:

(Description and images of lot and units as received).

Date Received:	01/04/2012
Quantity Expected:	5
Quantity Received:	5

Reason for lot count deviation:

D/C Counts: 8721

Received by:	LP
Package Type:	tin can
Product Transport Type:	Trays

Incoming Notes (packaging issues, damaged parts, etc.):

Sample Incoming Photos:





Incoming Visual Test Sample Validation

(Random inspection of 2 units or other quantity as outlined in quote/PO. Inspection includes: validation of body, markings, balls/leads, & RtS Testing).

Date of Process Step: 01/06/2012
Quantity for Test: 5

Body/Leads Sample Validation:

Quantity Pass: 5
Quantity Fail: 0

Device Markings (Verify part number, manufacturer, and Date Code; Per PO): Pass
Device Body (Examine for chips, scratches, and other defects): Pass
Device Leads/Balls (Examine for excessive bent leads and evidence of rework): Pass

Resistance to Solvents Sample Validation:

Resistance to Solvents (RTS) per MIL-STD-883G, Per Method 2015(sample from lot): Pass
RtS at 25c: Pass
RtS at 65c: Pass

Visual Test Notes:

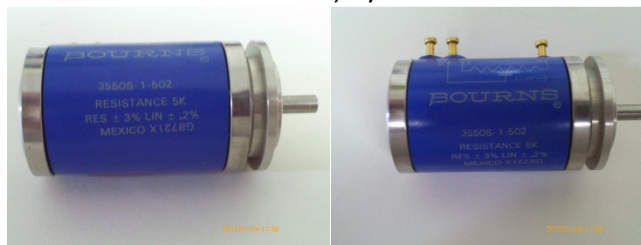
RtS Sample photos:

RtS at 25C:

Before

After

Unit 1, D/C:





RtS at 65C:

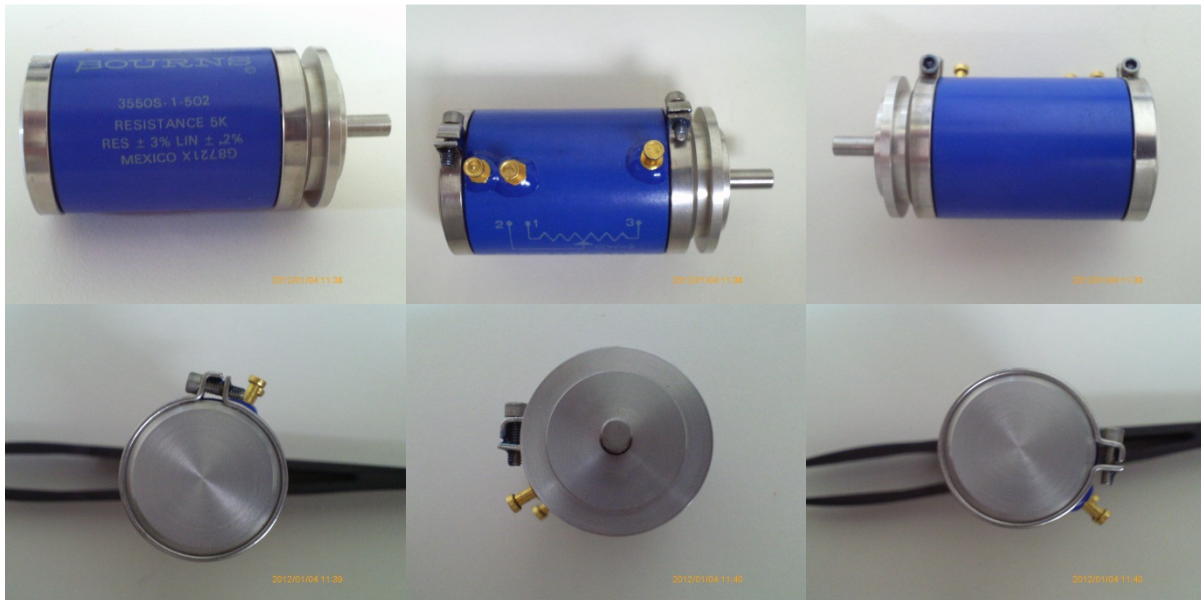
Before

After

Unit 1, D/C:



Sample photos from visual, if applicable:





Lot Visual Validation

(Visual inspection of each unit within the lot, including validation of bodies, markings, & balls/leads, evidence of prior use, damage, bent/broken ball/leads, & other gross physical non-conformities).

Date of Process Step: 01/06/2012
Quantity for Test: 5

Body/Leads Validation:

Quantity Pass: 5
Quantity Fail: 0

Break down of visual failures found:

Device Markings (Examine for fading, residue, or missing markings): 0
Device Body (Examine for chips, scratches, and other defects): 0
Device Leads/Balls (Examine for excessive bent leads and evidence of rework): 0

Visual Notes:

Sample photos from Visual, if applicable:



Electrical Test Validation

(Functional Electrical testing to quoted test parameters).

Date of Process Step:	01/06/2012
Quantity for Test:	5
Quantity Pass:	5
Quantity Fail:	0
Quantity Lost:	0
Quantity Damaged:	0
Test Temperatures:	25c
Test Equipment Utilized	ETS LSi5

Test Parameters:	Functionality
	Rated resistance

Test Parameters/Limits:	Functionality: P/F
	Rated resistance: P/F