

1. Type of Change (Major or Minor)

Major

2. Change Description

Low-level output voltage change (V_{OL}), $I_O = 1\text{mA}$, $V_{CCY} = 1.65$ to 5.5V . Change max limit from 0.1V to 0.15V .

3. Impact on Product and/or Process

Limit increase for V_{OL} will prevent marginal yield loss during high temperature testing.

4. Justification for Change

Adjust limits to accurately reflect device v_{OL} drive capability at 1ma loading.

5. Change Risk Assessment

Minimal to no impact to customer use case. New limit meets standard V_{IL} thresholds with significant margin at minimum operating V_{CC}

6. Qualification Plan

Not required

7. Qualification Report

Not applicable

8. Summary

See change description

9. Impacted Device - Document - Process List

AF54RHC132ELT, AF54RHC132ALT, AF54RHC132BLT, and AF54RHC132CLT

10. Sample Availability Date and Projected Production Shipment

Sample availability date: N/A. Please contact Apogee for samples if needed.

Projected production shipment date: December 24, 2024 or upon PCN approval.

11. File Attachment

N/A