

|                             |                                      |                           |                  |
|-----------------------------|--------------------------------------|---------------------------|------------------|
| <b>Notification Number:</b> | 20230424003.0                        | <b>Notification Date:</b> | May 22, 2023     |
| <b>Title:</b>               | Datasheet for UA78L                  |                           |                  |
| <b>Customer Contact:</b>    | <a href="#">Notification Manager</a> | <b>Dept:</b>              | Quality Services |
| <b>Change Type:</b>         | Electrical Specification             |                           |                  |

## Notification Details

### Description of Change:

Texas Instruments Incorporated is announcing an information only notification. The product datasheet(s) is being updated as summarized below. The following change history provides further details.



**UA78L**  
SLVS010W – JANUARY 1976 – REVISED APRIL 2023

| Changes from Revision V (November 2016) to Revision W (April 2023)                                                                                                                                                                   | Page |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| • Added M3 devices to document.....                                                                                                                                                                                                  | 1    |
| • Changed <i>Features</i> , <i>Applications</i> , and <i>Description</i> sections.....                                                                                                                                               | 1    |
| • Changed <i>Description</i> column of <i>Pin Functions</i> table.....                                                                                                                                                               | 3    |
| • Added plots for new chip, reordered plots for legacy chip, and changed condition statement in <i>Typical Characteristics</i> section.....                                                                                          | 14   |
| • Changed <i>Overview</i> section.....                                                                                                                                                                                               | 18   |
| • Changed <i>Feature Description</i> section and added subsections.....                                                                                                                                                              | 18   |
| • Changed <i>Device Functional Modes</i> section: added <i>Device Functional Mode Comparison</i> table, deleted <i>Fixed-Output Mode</i> subsection, and added <i>Normal Operation</i> and <i>Dropout Operation</i> subsections..... | 20   |
| • Changed <i>Detailed Design Procedure</i> section and added subsections.....                                                                                                                                                        | 21   |
| • Added plots for new chip and changed condition statement in <i>Application Curves</i> section.....                                                                                                                                 | 25   |
| • Added <i>Device Nomenclature</i> and <i>Evaluation Module</i> sections.....                                                                                                                                                        | 28   |

The datasheet number will be changing.

|               |              |            |
|---------------|--------------|------------|
| Device Family | Change From: | Change To: |
| UA78L         | SLVS010V     | SLVS010W   |

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/UA78L>

### Reason for Change:

To accurately reflect device characteristics.

### Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

No anticipated impact. This is a documentation change announcement only. There are no changes to the actual device.

### Changes to product identification resulting from this notification:

None.

### Product Affected:

|                |                |                |                |
|----------------|----------------|----------------|----------------|
| PUA78L033AIPK  | UA78L05AIDRE4  | UA78L08ACDRG4  | UA78L10ACLPE3  |
| PUA78L05ACPKM3 | UA78L05AILP    | UA78L08ACLPR   | UA78L10ACLPR   |
| UA78L02ACD     | UA78L05AILPE3  | UA78L08ACLPRE3 | UA78L10ACLPRE3 |
| UA78L02ACDG4   | UA78L05AILPR   | UA78L08ACPK    | UA78L10ACPK    |
| UA78L05ACD     | UA78L05AILPRE3 | UA78L08ACPKG3  | UA78L10ACPKG3  |
| UA78L05ACDE4   | UA78L05AIPK    | UA78L09ACD     | UA78L12ACD     |
| UA78L05ACDG4   | UA78L05AIPK2   | UA78L09ACDR    | UA78L12ACDG4   |

|                |               |                |                |  |
|----------------|---------------|----------------|----------------|--|
| UA78L05ACDR    | UA78L05AIPKG3 | UA78L09ACDRE4  | UA78L12ACDR    |  |
| UA78L05ACDRE4  | UA78L05CD     | UA78L09ACLP    | UA78L12ACDRE4  |  |
| UA78L05ACDRG4  | UA78L05CDG4   | UA78L09ACLPE3  | UA78L12ACDRG4  |  |
| UA78L05ACLP    | UA78L05CDR    | UA78L09ACLPR   | UA78L12ACLPR   |  |
| UA78L05ACLPE3  | UA78L05CDRE4  | UA78L09ACLPRE3 | UA78L12ACPK    |  |
| UA78L05ACLPM   | UA78L05CLPR   | UA78L09ACPK    | UA78L12ACPKG3  |  |
| UA78L05ACLPME3 | UA78L05CPK    | UA78L09ACPKE6  | UA78L15ACDR    |  |
| UA78L05ACLPR   | UA78L05CPKG3  | UA78L09ACPKG3  | UA78L15ACDRE4  |  |
| UA78L05ACLPRE3 | UA78L06ACLP   | UA78L10ACD     | UA78L15ACLPR   |  |
| UA78L05ACPK    | UA78L06ACPK   | UA78L10ACDR    | UA78L15ACLPRE3 |  |
| UA78L05ACPKE6  | UA78L06ACPKG3 | UA78L10ACDRE4  | UA78L15ACPK    |  |
| UA78L05ACPKG3  | UA78L08ACDR   | UA78L10ACLP    | UA78L15ACPKG3  |  |
| UA78L05AID     | UA78L05AIDR   |                |                |  |

For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

| Location                  | E-Mail                                                                           |
|---------------------------|----------------------------------------------------------------------------------|
| WW Change Management Team | <a href="mailto:PCN_ww_admin_team@list.ti.com">PCN_ww_admin_team@list.ti.com</a> |

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