

Product Advisory (PA)

Subject: Datasheet specification change for listed Renesas ISL73007SEH* Datasheet

Publication Date: 2/19/2025

Effective Date: 2/19/2025

Revision Description:

Initial Release

Description of Change:

Affected Part Number
ISL73007SEHMF
ISL73007SEHMFS2793
ISL73007SEHMX

This notice is to inform you that Renesas Electronics America Inc has updated ISL73007SEH* product datasheet.

The updates include changes to the following:

- Updated Pin Information sections to add EPAD
- Updated Electrical Specifications table:
 - Operating supply current
 - Output voltage tolerance over input voltage range
 - Internal Error Amplifier Proportional Voltage Gain
 - Internal Error Amplifier Zero
 - External Error Amplifier Transconductance
 - Modulator Transconductance
- Updated External Configuration Summary section
- Updated Thermal Protection section
- Updated Slope Compensation section
- Updated External Configuration Application Implementation Equations section
- Updated Output Inductor Selection section.
- Added the following sections:
 - Typical Application Schematic
 - Design Requirements
 - Set Output Voltage
 - Set Switching Frequency
 - Slope Compensation Resistor
 - Compensation Resistor
 - Compensation Capacitor
 - ECAD Design Information

Reason for Change:

The correction to the datasheet aligns the documentation with the product characteristics. The product datasheet is available at Renesas' website at:

[ISL73007SEH Datasheet](#)

Please contact your local sales representative for more information about the change.

Impact on fit, form, function, quality & reliability:

The change will have no impact on the form, fit, function, quality, reliability and environmental compliance of the devices

Product Identification:

Product affected by this change is identifiable via Renesas's internal traceability system.

Qualification status: Not Applicable

Sample availability: Not Applicable

Device material declaration: Available upon request

Note:

1. *Acknowledgement must be received by Renesas within 30 days or Renesas will consider the change as approved.*
2. *If timely acknowledgement is provided by Customer, then Customer shall have 90 days from the date of receipt of this PCN to make any objections to this PCN. If Customer fails to make objections to this PCN within 90 days of the receipt of the PCN then Renesas will consider the PCN changes as approved.*
3. *If customer cannot accept the PCN then customer must provide Renesas with a last time buy demand and purchase order.*

Questions or requests pertaining to this change notice, including additional data or samples, must be sent to Renesas within 30 days of the publication date.

For additional information regarding this notice, please contact your regional change coordinator (below)			
Americas: PCN-US@RENESAS.COM	Europe: PCN-EU@RENESAS.COM	Japan: PCN-JP@RENESAS.COM	Asia Pac: PCN-APAC@RENESAS.COM