

To our customers,

Old Company Name in Catalogs and Other Documents

On April 1st, 2010, NEC Electronics Corporation merged with Renesas Technology Corporation, and Renesas Electronics Corporation took over all the business of both companies. Therefore, although the old company name remains in this document, it is a valid Renesas Electronics document. We appreciate your understanding.

Renesas Electronics website: <http://www.renesas.com>

April 1st, 2010
Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (<http://www.renesas.com>)

Send any inquiries to <http://www.renesas.com/inquiry>.

RENESAS TECHNICAL UPDATE

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RenesasTechnology Corp.

Product Category	MPU&MCU		Document No.	TN-740-A107A/E	Rev.	1.0
Title	Correction of 7542 Group Customer's Std. Spec (A/D Converter Characteristics)		Information Category	Technical Notification		
Applicable Product	M37542M2-XXXFP, M37542M4-XXXFP, M37542M2-XXXGP, M37542M4-XXXGP, M37542M2-XXXSP, M37542M4-XXXSP, M37542M2T-XXXFP, M37542M4T-XXXFP, M37542M2T-XXXGP, M37542M4T-XXXGP	Lot No.	Reference Document	7542 Group Customer's Std. Spec		
		ALL				

As for the 7542 Group Customer's Std. Spec, errors in the A/D converter characteristics are corrected.

1. Applicable Documents

- 7542 Group Customer's Std. Spec

GNOK-M37542M2-XXXFP-00, GNOK-M37542M4-XXXFP-00, GNOK-M37542M2-XXXGP-00,
GNOK-M37542M4-XXXGP-00, GNOK-M37542M2-XXXSP-00, GNOK-M37542M4-XXXSP-00,
GNOK-M37542M2T-XXXFP-00, GNOK-M37542M4T-XXXFP-00,
GNOK-M37542M2T-XXXGP-00, GNOK-M37542M4T-XXXGP-00

2. Correction

- Absolute accuracy: Test conditions

Error: $V_{cc} = 2.7$ to 5.5 V → Correction: $V_{cc} = V_{REF} = 2.7$ to 5.5 V

- Ladder resistor: Limits

Error: $35\text{ k}\Omega$ → Correction: $55\text{ k}\Omega$

3. Future Specifications

As for the already issued specifications, the updated values are guaranteed by this information.

These corrections are only for the 7542 Group Customer's Std. Spec, and these errors are not in the 7542 Group DataSheet.

Also, when the updated specifications are required, please contact Renesas Technology Corp. or an authorized Renesas Technology product distributor.