

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>)

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RENESAS TECHNICAL UPDATE

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Product Category	MPU&MCU		Document No.	TN-SH7-A591A/E	Rev.	1.00
Title	Correction of DC characteristics of SH7780		Information Category	Technical Notification		
Applicable Product	SH7780 (R8A77800A)	Lot No.	Reference Document	SH7780 Hardware Manual Rev.1.00 (REJ09B0158-0100) DEC. 13, 2005		
		All lots				

The DC characteristics of the SH7780 is corrected as follows.

(Gray parts are corrected.)

[Correction]

1. Current dissipation (Reference Document p1156 Table 31.2 DC Characteristics)

1.1 Maximum value of $I_{CCQ-DDR}$ (DDR backup mode)

Item	Symbol	Before correction				After correction			
		Min.	Typ.	Max.	Unit	Min.	Typ.	Max.	Unit
Current dissipation (DDR backup mode)	$I_{CCQ-DDR}$	–	–	160	mA	–	–	160	μA

1.2 Maximum value of ΣI_{DD-DLL} (Normal operation)

Item	Symbol	Before correction				After correction			
		Min.	Typ.	Max.	Unit	Min.	Typ.	Max.	Unit
Current dissipation (Normal operation)	ΣI_{DD-DLL}	–	–	400	μA	–	–	12	mA

- End of Correction -