

RENESAS TECHNICAL UPDATE

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Product Category	MPU/MCU		Document No.	TN-RX*-A058A/E	Rev.	1.00
Title	Changes to Description of DC Characteristics for Analog Power Supply in the RX210 Group		Information Category	Technical Notification		
Applicable Product	RX210 Group	Lot No.	Reference Document	RX210 Group User's Manual: Hardware Rev.1.30 (R01UH0037EJ0130)		
		All				

This document describes changes to description in Table 42.22 DC Characteristics (21) in RX210 Group User's Manual: Hardware Rev.1.30.

• Page 1496 of 1612

The analog power supply current and reference power supply current are listed by power supply as follows:

Before change

Item		Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Analog power supply current	During A/D conversion	AI _{CC}	—	1.0	3.2	mA	
	During D/A conversion (per channel) ^{*1}		—	0.25	0.75		
	Temperature sensor		—	60	200	μA	
	Waiting for A/D, D/A conversion (all units)		—	0.2	5.0		
Reference power supply current	During A/D conversion	I _{REFH}	—	0.1	0.2	mA	
	Waiting for A/D, D/A conversion (all units)	I _{REFH0}	—	0.2	0.4	μA	

Note: • The values for A/D conversion apply when the sample and hold circuit is not in use.

Note 1. The reference power supply current is included in the power supply current value for D/A conversion.

After change

Item		Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Analog power supply current	During A/D conversion	I_{AVCC0}	—	1.0	3.2	mA	
	Temperature sensor enabled while waiting for A/D conversion		—	60	200	μA	
	During D/A conversion (per channel)	I_{REFH}^{*1}	—	0.25	0.75	mA	
	Waiting for A/D, D/A conversion (all units) ^{*2}	—	—	0.2	5.0	μA	
Reference power supply current	During A/D conversion	I_{REFH0}	—	0.1	0.2	mA	
	Waiting for A/D conversion		—	0.2	0.4	μA	

Note: • The values for A/D conversion apply when the sample and hold circuit is not in use.

Note 1. The reference power supply current is included in the power supply current value for D/A conversion.

Note 2. The values are the sum of I_{AVCC0} and I_{REFH} .