

RENESAS TECHNICAL UPDATE

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Product Category	MPU/MCU		Document No.	TN-RA*-A0029A/E	Rev.	1.00
Title	RA2A1 Group, RA4M1 Group, RA4W1 Group, correction of Clock generation circuit specifications for the clock sources		Information Category	Technical Notification		
Applicable Product	RA2A1 Group RA4M1 Group RA4W1 Group	Lot No.	Reference Document	RA2M1 Group User's Manual Hardware Rev.1.00 RA4M1 Group User's Manual Hardware Rev.1.00 RA4W1 Group User's Manual Hardware Rev.1.00		
		All				

The description of Clock generation circuit specifications for the clock sources is corrected.

[before]

The Clock Generation Circuit chapter

Table Clock generation circuit specifications for the clock sources

Clock source	Description	Specifications
Main clock oscillator (MOSC)	Resonator frequency	1 MHz to 20 MHz (up to 5.5 V) 1 MHz to 8 MHz (up to 2.4 V)
	External clock input frequency	Up to 20 MHz

[after]

The Clock Generation Circuit chapter

Table Clock generation circuit specifications for the clock sources

Clock source	Description	Specifications
Main clock oscillator (MOSC)	Resonator frequency	1 MHz to 20 MHz *1
	External clock input frequency	Up to 20 MHz *1

Note1: The frequency depends on the supply voltage. See the table of Clock timing in the Electrical Characteristics chapter for more information.