

RENESAS TECHNICAL UPDATE

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Product Category	MPU/MCU		Document No.	TN-RX*-A0276B/E	Rev.	2.00
Title	Addition of the Electrical Characteristics of the Option Setting Memory in the RX26T Group, RX600 Series, and RX700 Series Products		Information Category	Technical Notification		
Applicable Product	RX26T Group, RX64M Group, RX65N Group, RX651 Group, RX660 Group, RX66N Group, RX66T Group, RX671 Group, RX71M Group, RX72M Group, RX72N Group, RX72T Group	Lot No.	Reference Document	User's Manual: Hardware for applicable Products listed in Reference Documents below		
		All				

This document is to notify the addition of the characteristics of the option setting memory. Those listed in Table 1 are added to the electrical characteristics of the applicable products. Note that the same measurement conditions and notes other than Note 1 apply as those for the code flash memory.

Table 1. Option Setting Memory Characteristics

Item	Symbol	min	typ	max	Unit	Test Conditions
Program/erase cycles*1	N_{PEC}	1000 ^{*2}	—	—	Cycles	
Data retention*3, *4	t_{DRP}	20	—	—	Year	$T_a \leq 85^{\circ}\text{C}$
		10	—	—		$T_a \leq 105^{\circ}\text{C}$

Note 1. Definition of program/erase cycle:

The program/erase cycle is the number of program for the same address.

•Reference Documents

Group	Manual Title (Document Number)
RX26T Group	RX26T Group User's Manual: Hardware Rev.1.10 (R01UH0979EJ0110)
RX64M Group	RX64M Group User's Manual: Hardware Rev.1.20 (R01UH0377EJ0120)
RX65N Group, RX651 Group	RX65N Group, RX651 Group User's Manual: Hardware Rev.2.40 (R01UH0590EJ0240)
RX660 Group	RX660 Group User's Manual: Hardware Rev.1.00 (R01UH0937EJ0100)
RX66N Group	RX66N Group User's Manual: Hardware Rev.1.20 (R01UH0825EJ0120)
RX66T Group	RX66T Group User's Manual: Hardware Rev.1.30 (R01UH0749EJ0130)
RX671 Group	RX671 Group User's Manual: Hardware Rev.1.10 (R01UH0899EJ0110)
RX71M Group	RX71M Group User's Manual: Hardware Rev.1.20 (R01UH0493EJ0120)
RX72M Group	RX72M Group User's Manual: Hardware Rev.1.20 (R01UH0804EJ0120)
RX72N Group	RX72N Group User's Manual: Hardware Rev.1.20 (R01UH0824EJ0120)
RX72T Group	RX72T Group User's Manual: Hardware Rev.1.10 (R01UH0803EJ0110)