R5F100/R5F101
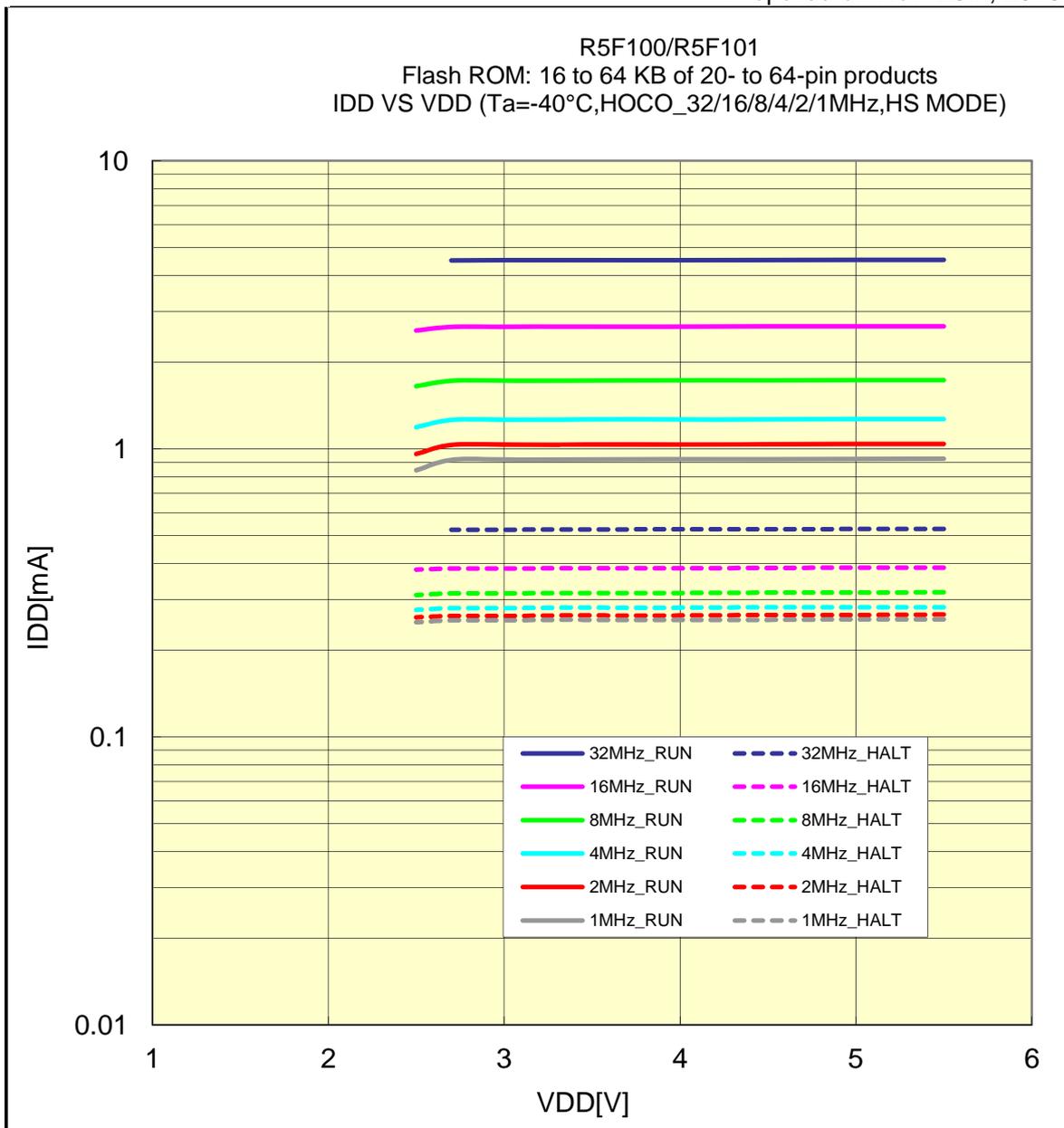**Flash ROM: 16 to 64 KB of 20- to 64-pin products**

IDD VS VDD(-40°C/HOCO_32/16/8/4/2/1MHz/HS MODE)

Prepared on Nov. 25th, 2013

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
IDD VS VDD (Ta=-40°C,HOCO_32/16/8/4/2/1MHz,HS MODE)

Legend:
- 32MHz_RUN — 32MHz_HALT
- 16MHz_RUN — 16MHz_HALT
- 8MHz_RUN — 8MHz_HALT
- 4MHz_RUN — 4MHz_HALT
- 2MHz_RUN — 2MHz_HALT
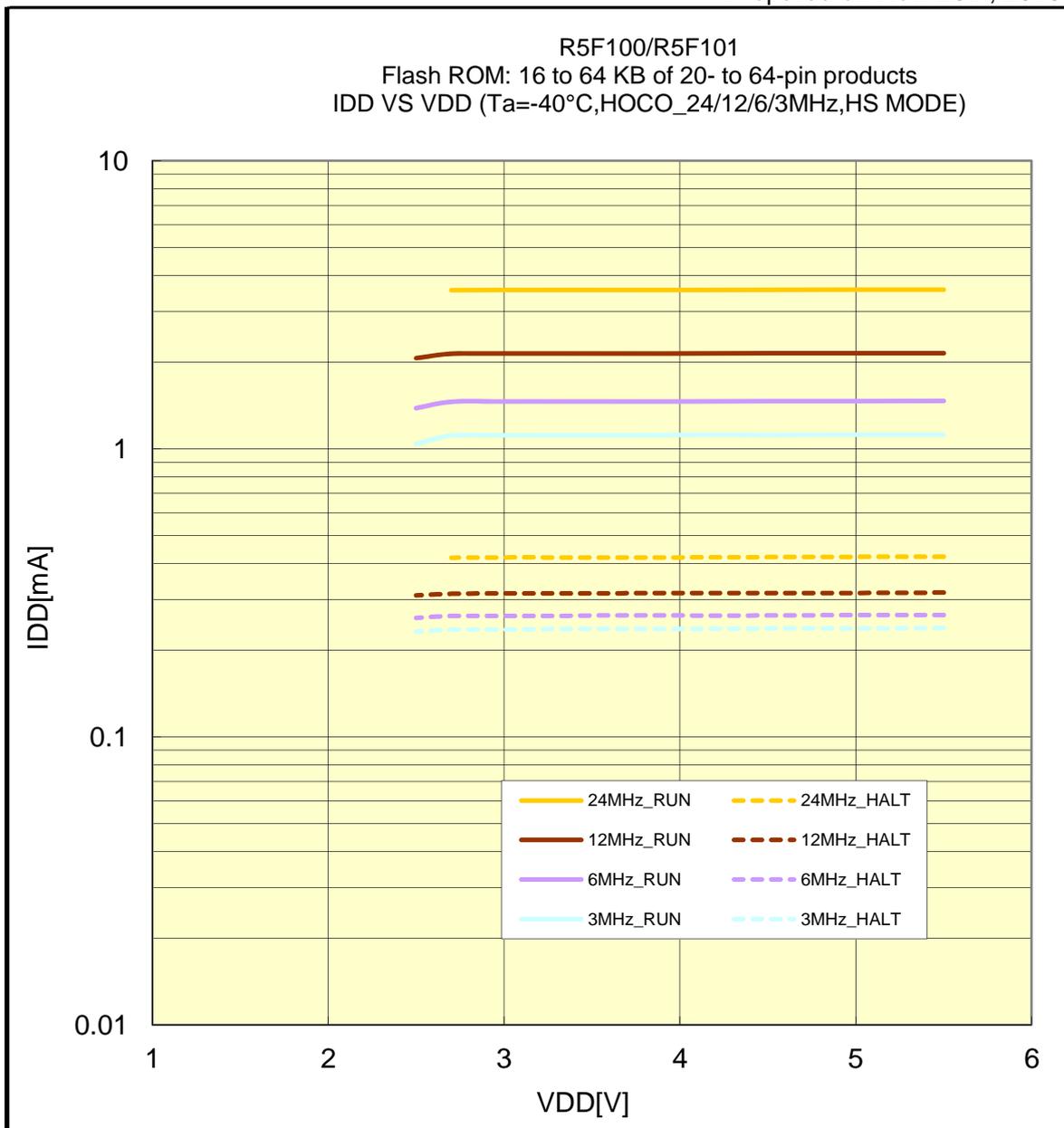- 1MHz_RUN — 1MHz_HALT

IDD[mA] vs VDD[V]

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(-40°C/HOCO_24/12/6/3MHz/HS MODE)

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
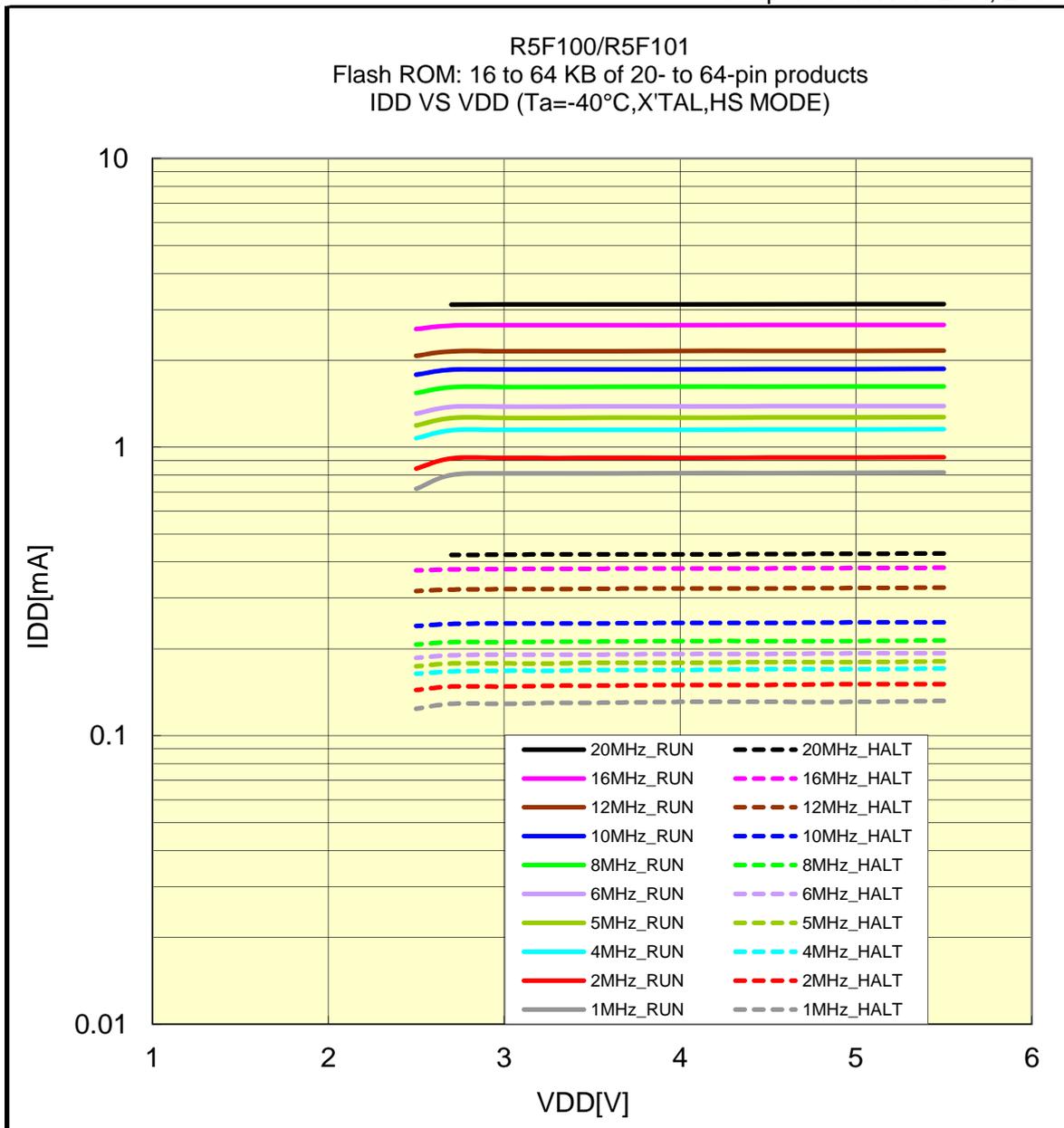IDD VS VDD (Ta=-40°C,HOCO_24/12/6/3MHz,HS MODE)

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(-40°C/X'TAL/HS MODE)

Prepared on Nov. 25th, 2013

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
IDD VS VDD (Ta=-40°C,X'TAL,HS MODE)

Legend:
- 20MHz_RUN — 20MHz_HALT
- 16MHz_RUN — 16MHz_HALT
- 12MHz_RUN — 12MHz_HALT
- 10MHz_RUN — 10MHz_HALT
- 8MHz_RUN — 8MHz_HALT
- 6MHz_RUN — 6MHz_HALT
- 5MHz_RUN — 5MHz_HALT
- 4MHz_RUN — 4MHz_HALT
- 2MHz_RUN — 2MHz_HALT
- 1MHz_RUN — 1MHz_HALT

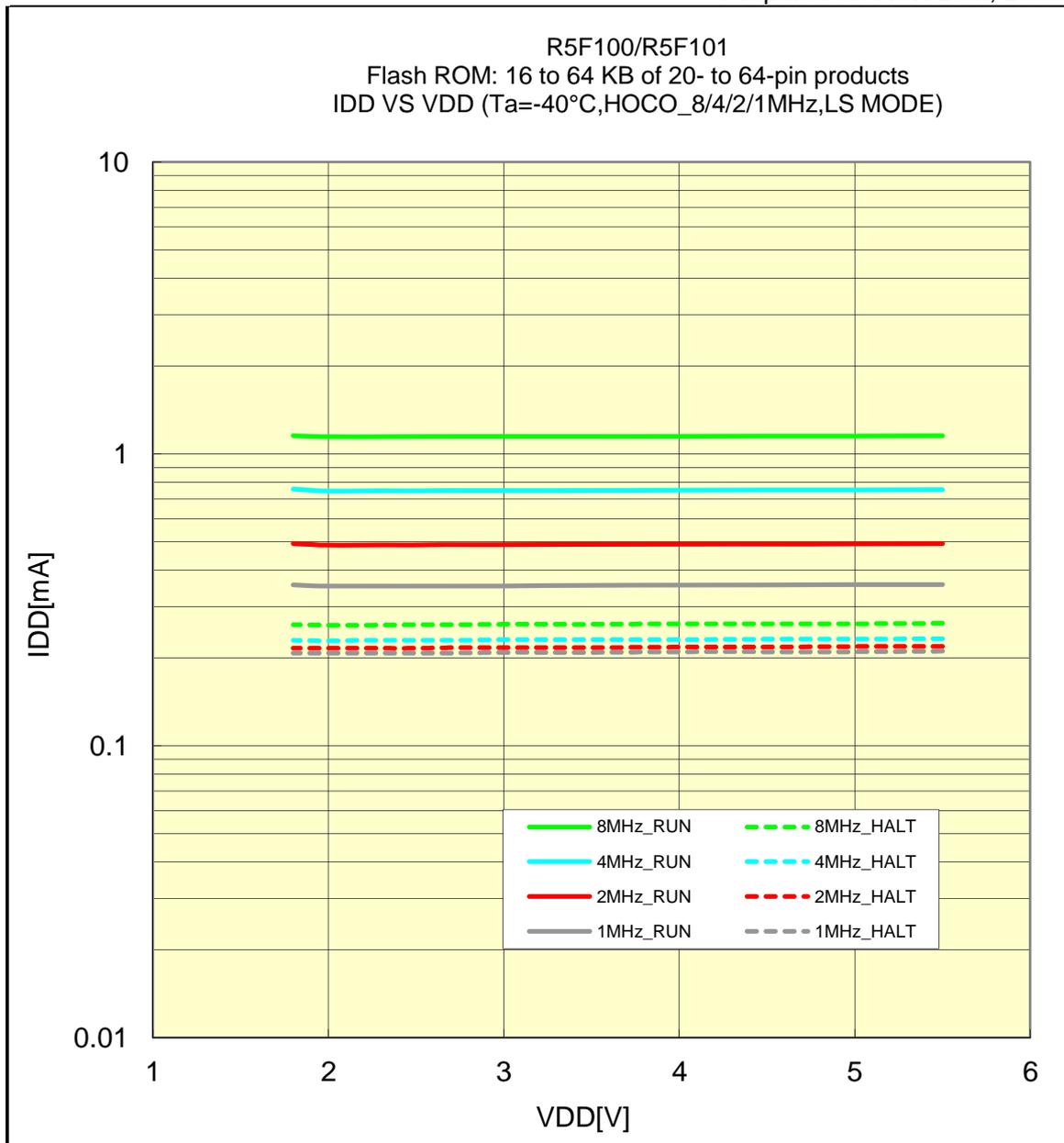Axes: IDD[mA] (vertical), VDD[V] (horizontal)

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(-40°C/HOCO_8/4/2/1MHz/LS MODE)

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
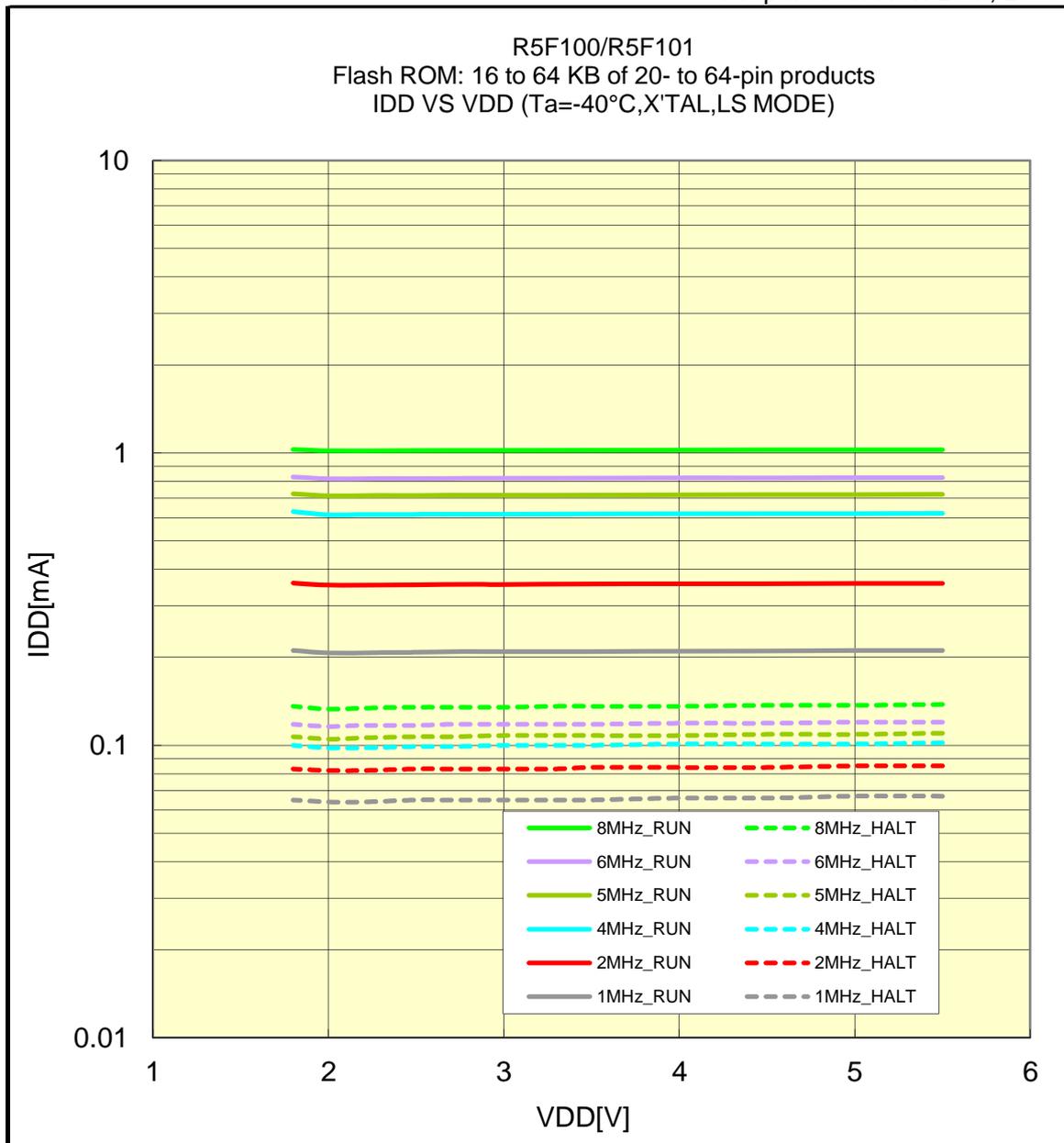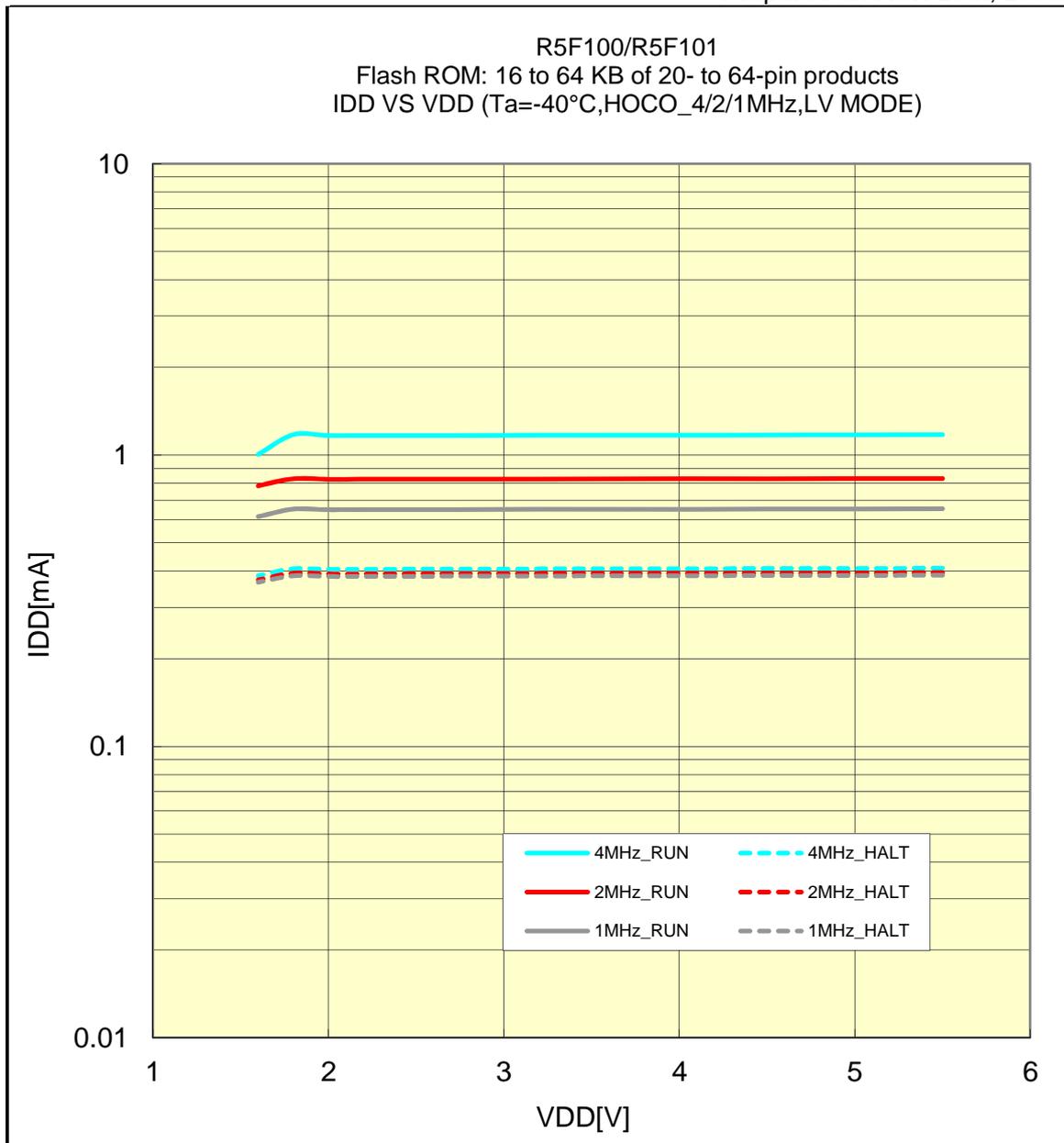IDD VS VDD (Ta=-40°C,HOCO_8/4/2/1MHz,LS MODE)

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(-40°C/X'TAL/LS MODE)

Prepared on Nov. 25th, 2013

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
IDD VS VDD (Ta=-40°C,X'TAL,LS MODE)

IDD[mA]

VDD[V]

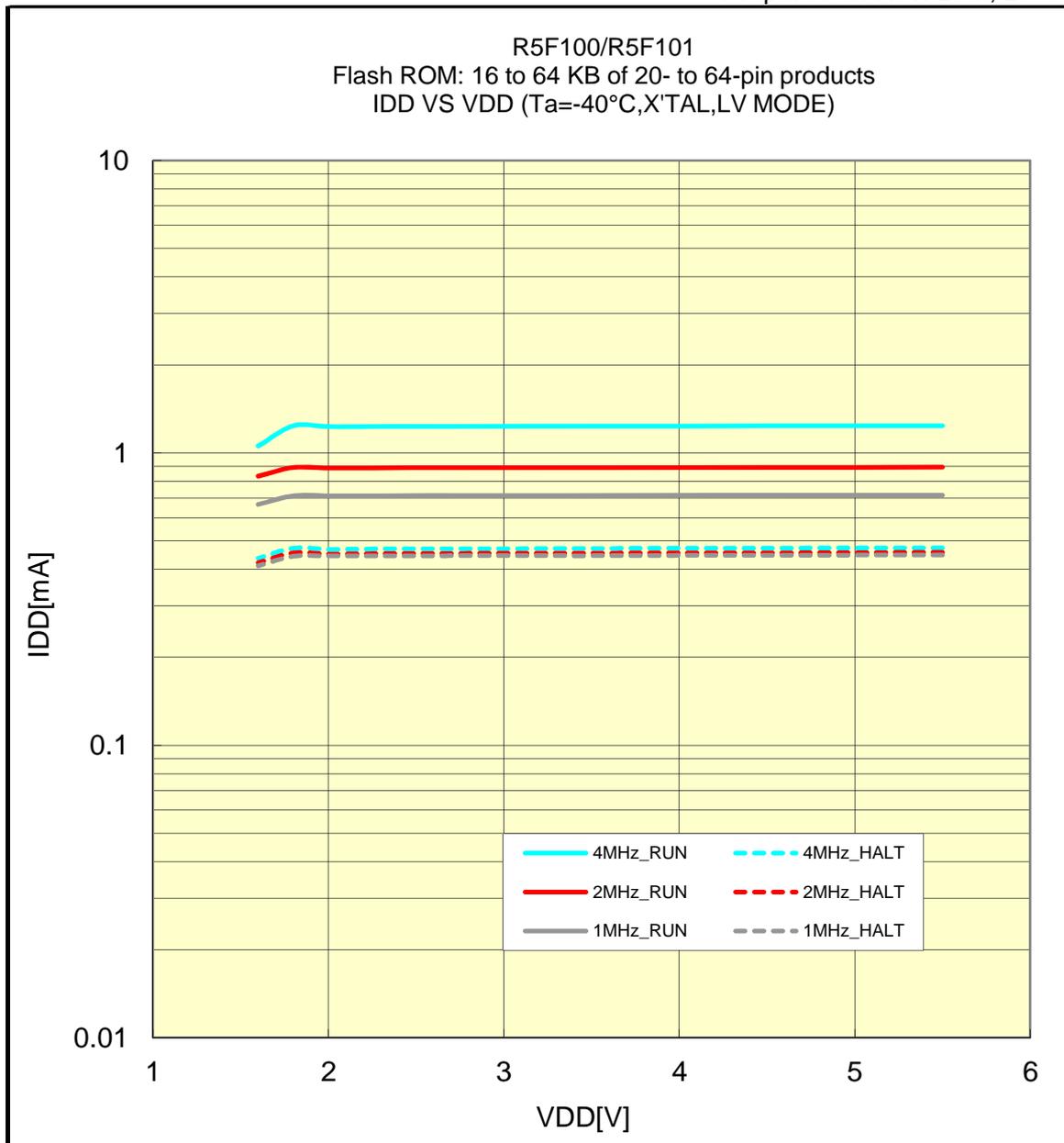|	
8MHz_RUN	8MHz_HALT
6MHz_RUN	6MHz_HALT
5MHz_RUN	5MHz_HALT
4MHz_RUN	4MHz_HALT
2MHz_RUN	2MHz_HALT
1MHz_RUN	1MHz_HALT

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(-40°C/HOCO_4/2/1MHz/LV MODE)

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
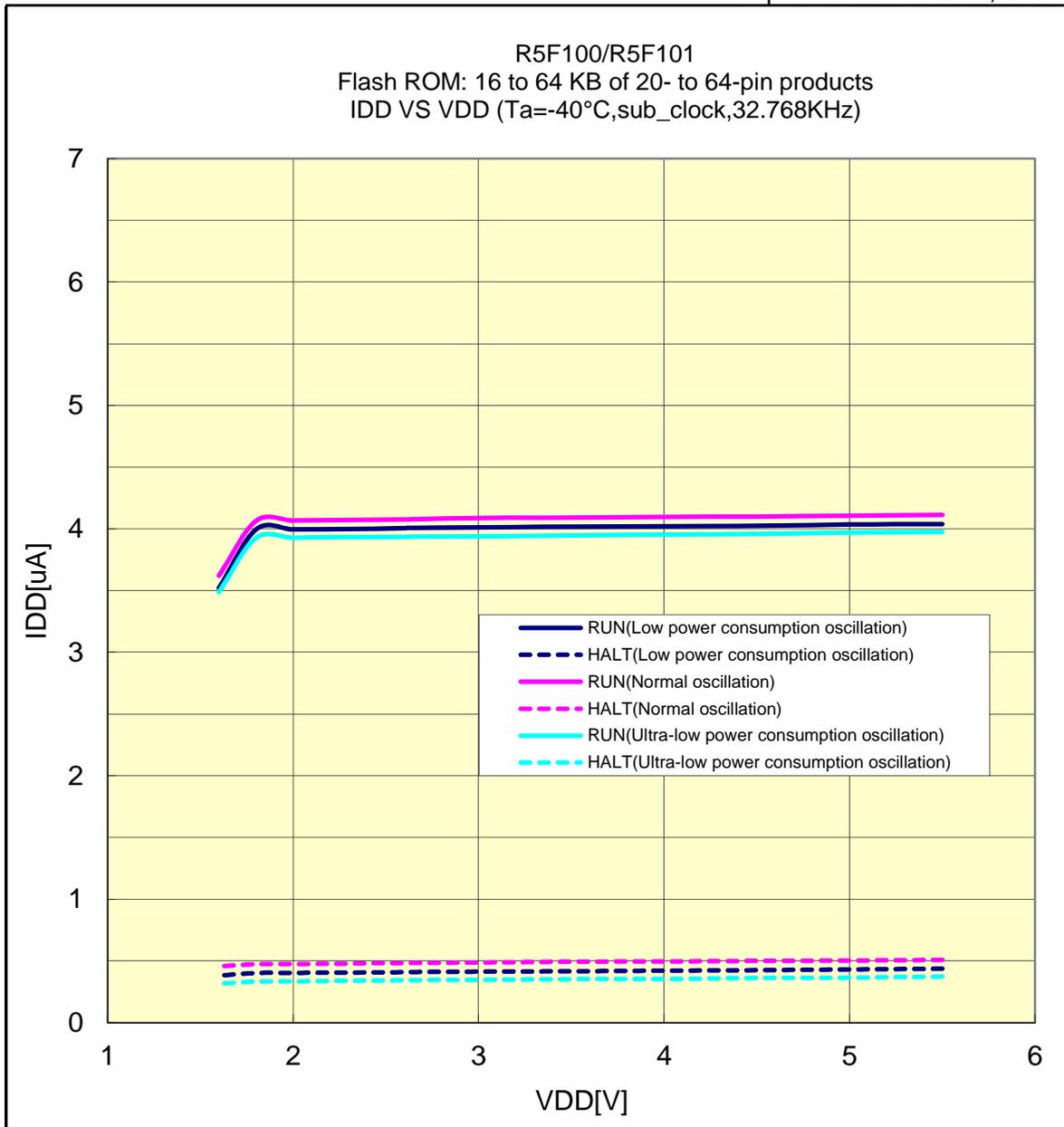IDD VS VDD (Ta=-40°C,HOCO_4/2/1MHz,LV MODE)

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(-40°C/X'TAL/LV MODE)

Prepared on Nov. 25th, 2013

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
IDD VS VDD (Ta=-40°C,X'TAL,LV MODE)

Legend:
- 4MHz_RUN
- 4MHz_HALT
- 2MHz_RUN
- 2MHz_HALT
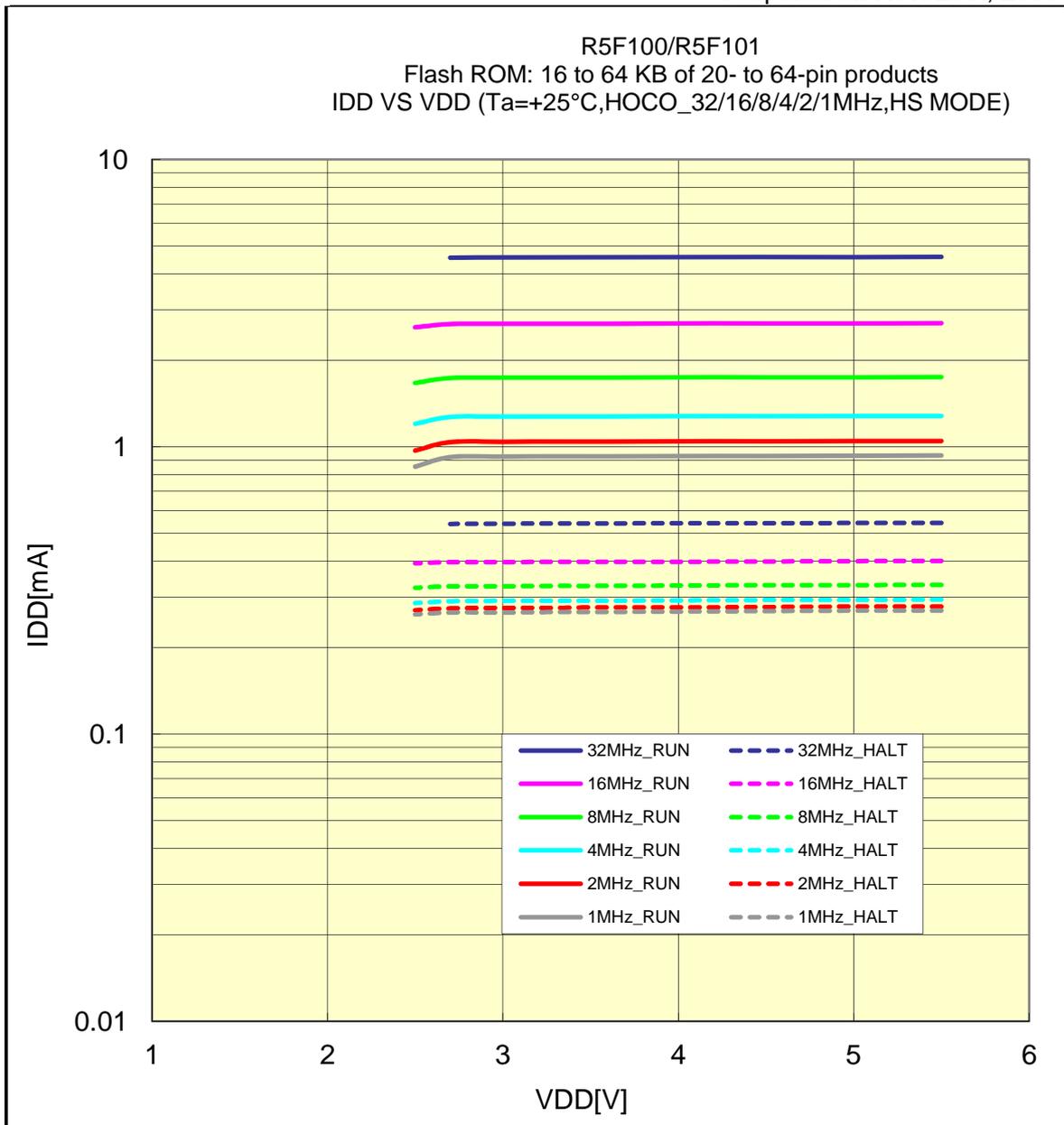- 1MHz_RUN
- 1MHz_HALT

Y-axis: IDD[mA]
X-axis: VDD[V]

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(-40°C/sub_clock/32.768KHz)

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
IDD VS VDD (Ta=-40°C,sub_clock,32.768KHz)

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(+25°C/HOCO_32/16/8/4/2/1MHz/HS MODE)

Prepared on Nov. 25th, 2013

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
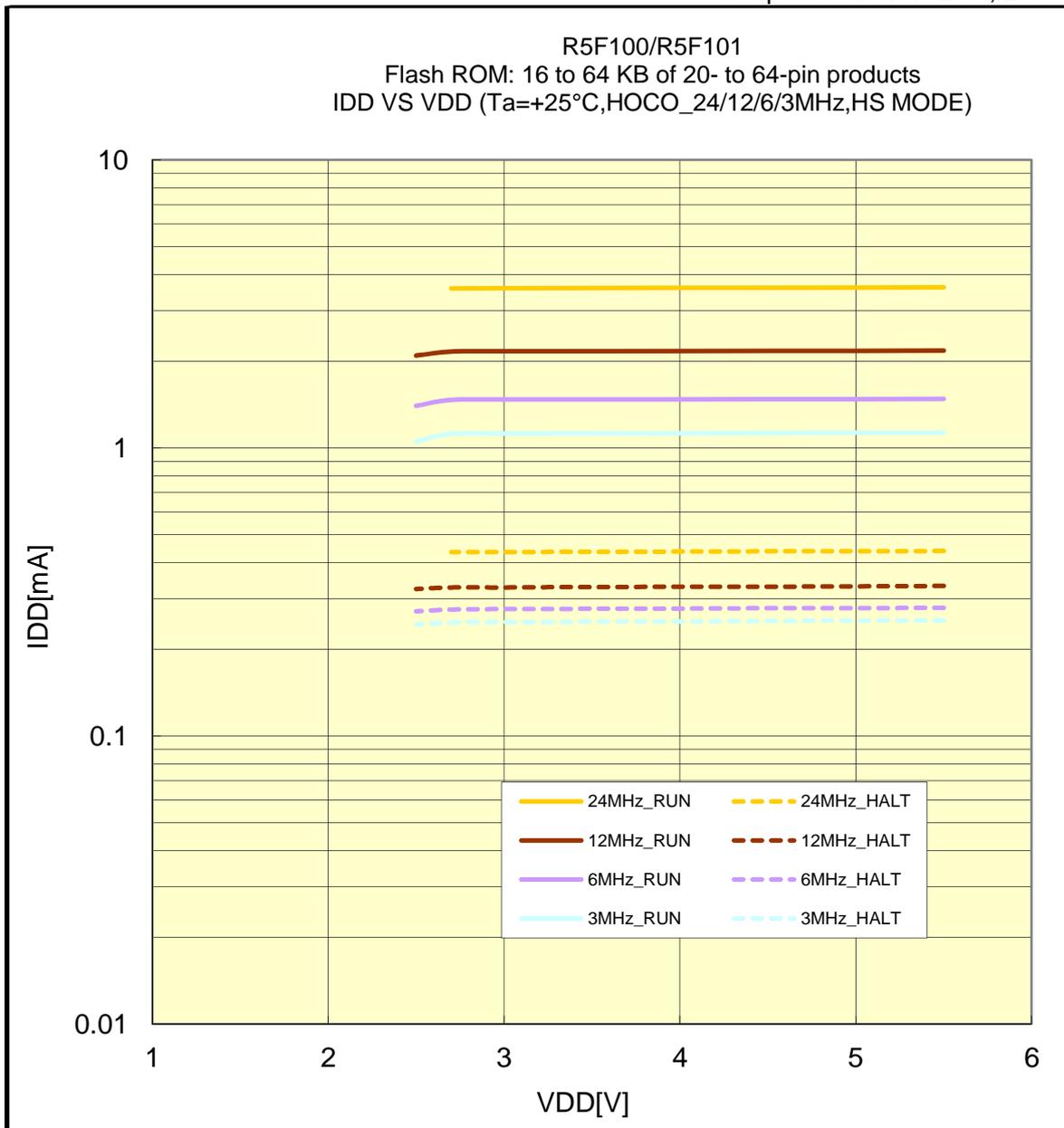IDD VS VDD (Ta=+25°C,HOCO_32/16/8/4/2/1MHz,HS MODE)

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(+25°C/HOCO_24/12/6/3MHz/HS MODE)

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
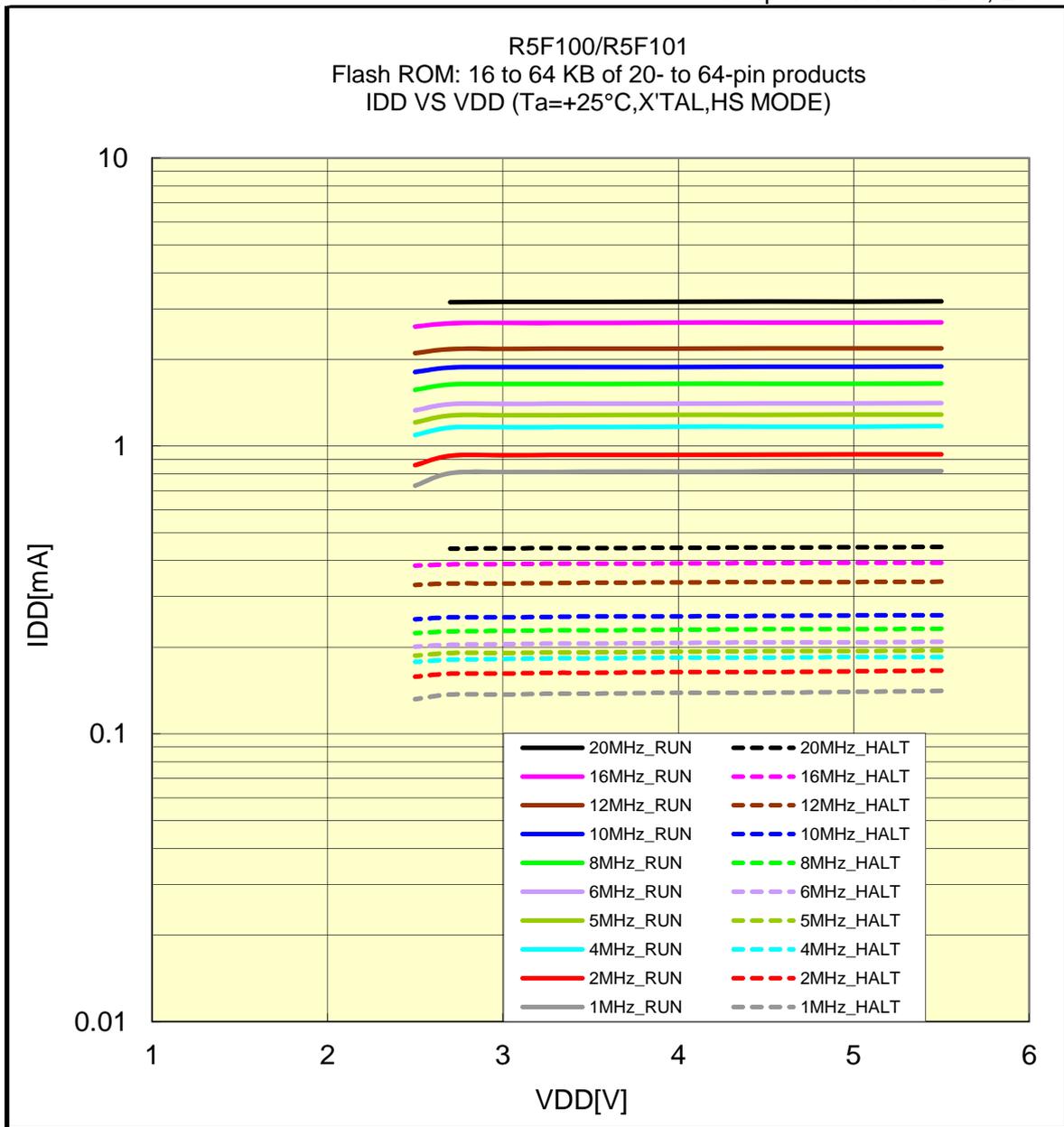IDD VS VDD (Ta=+25°C,HOCO_24/12/6/3MHz,HS MODE)

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(+25°C/X'TAL/HS MODE)

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
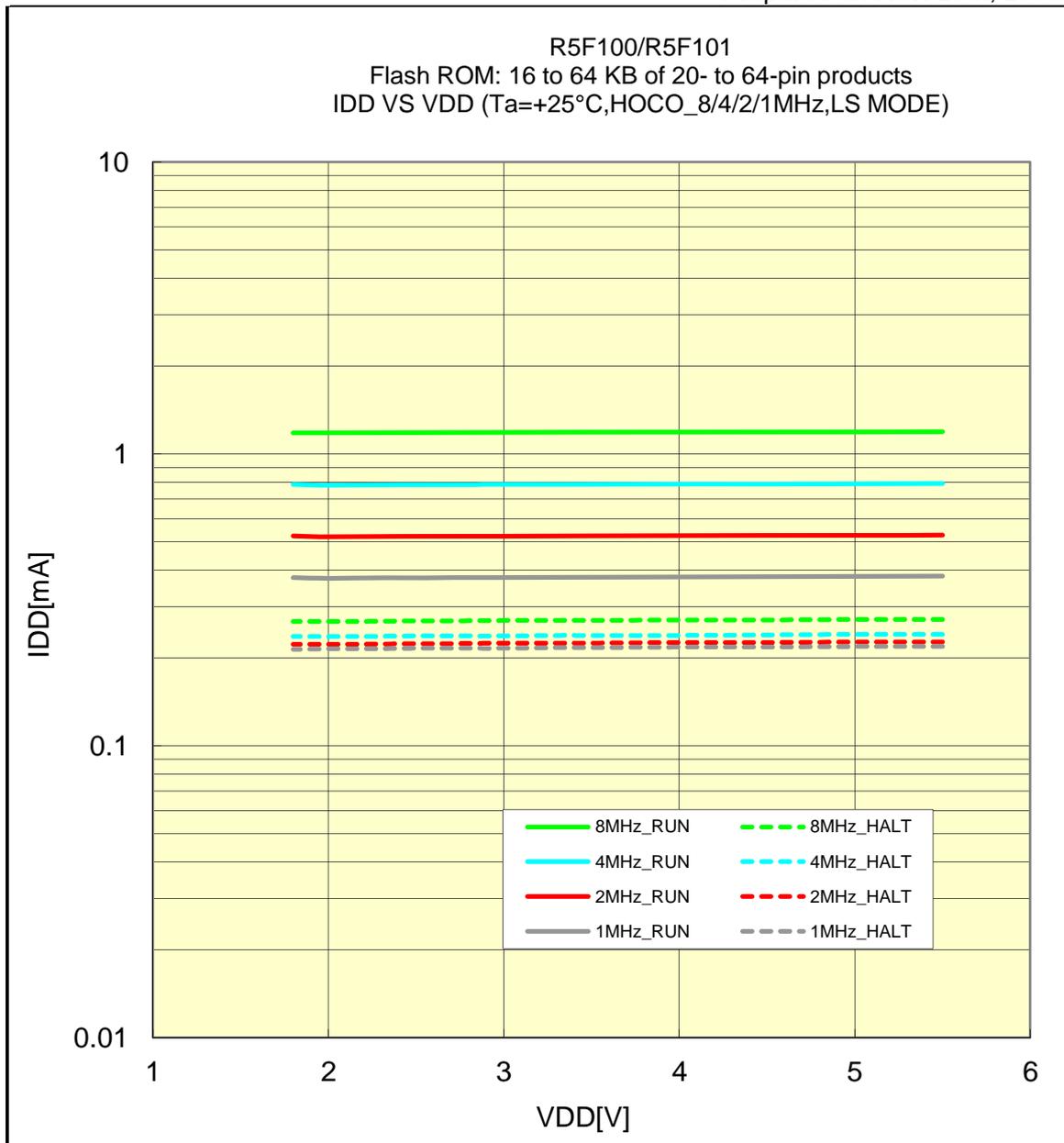IDD VS VDD (Ta=+25°C,X'TAL,HS MODE)

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(+25°C/HOCO_8/4/2/1MHz/LS MODE)

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
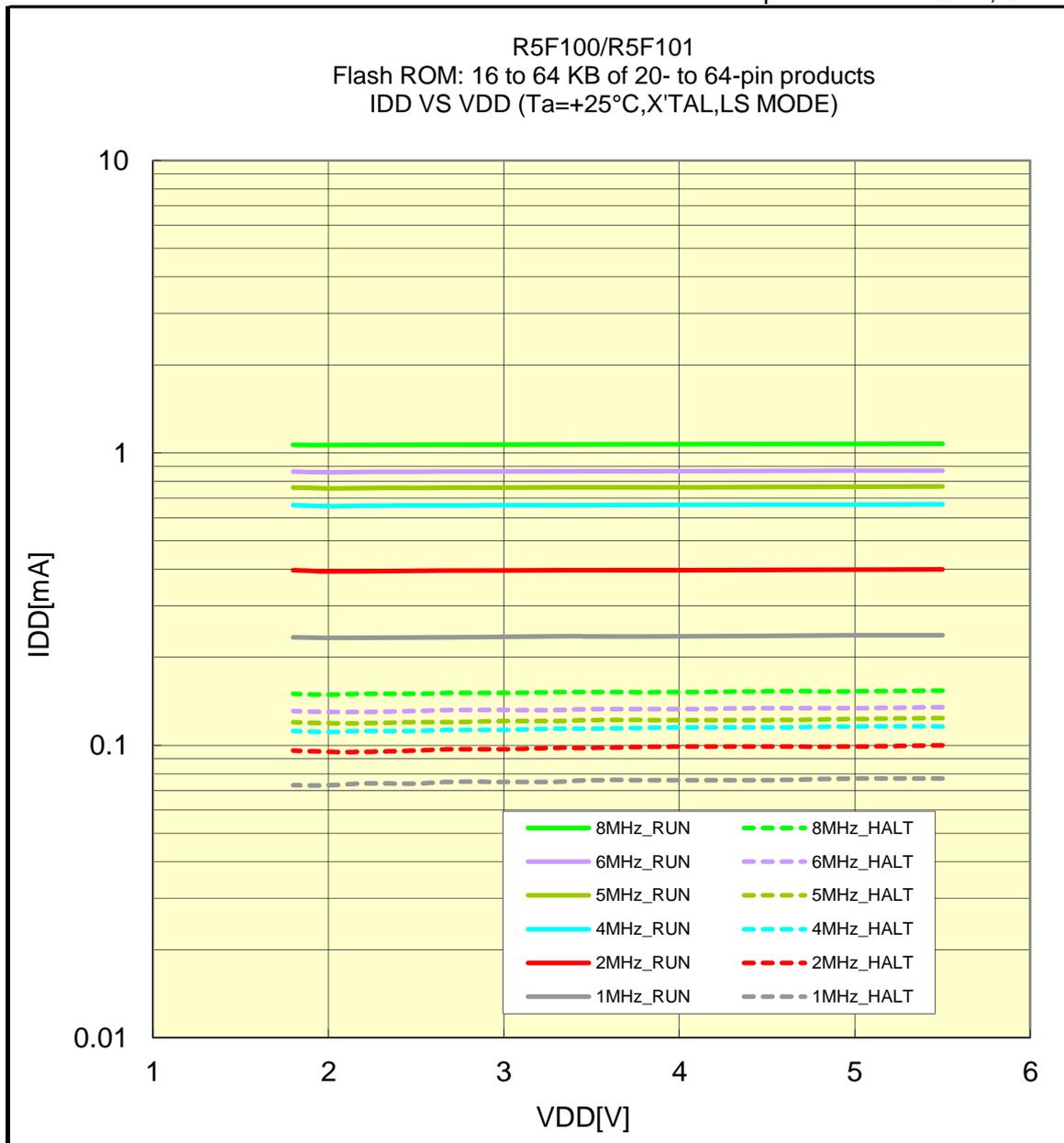IDD VS VDD (Ta=+25°C,HOCO_8/4/2/1MHz,LS MODE)

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(+25°C/X'TAL/LS MODE)

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
IDD VS VDD (Ta=+25°C,X'TAL,LS MODE)

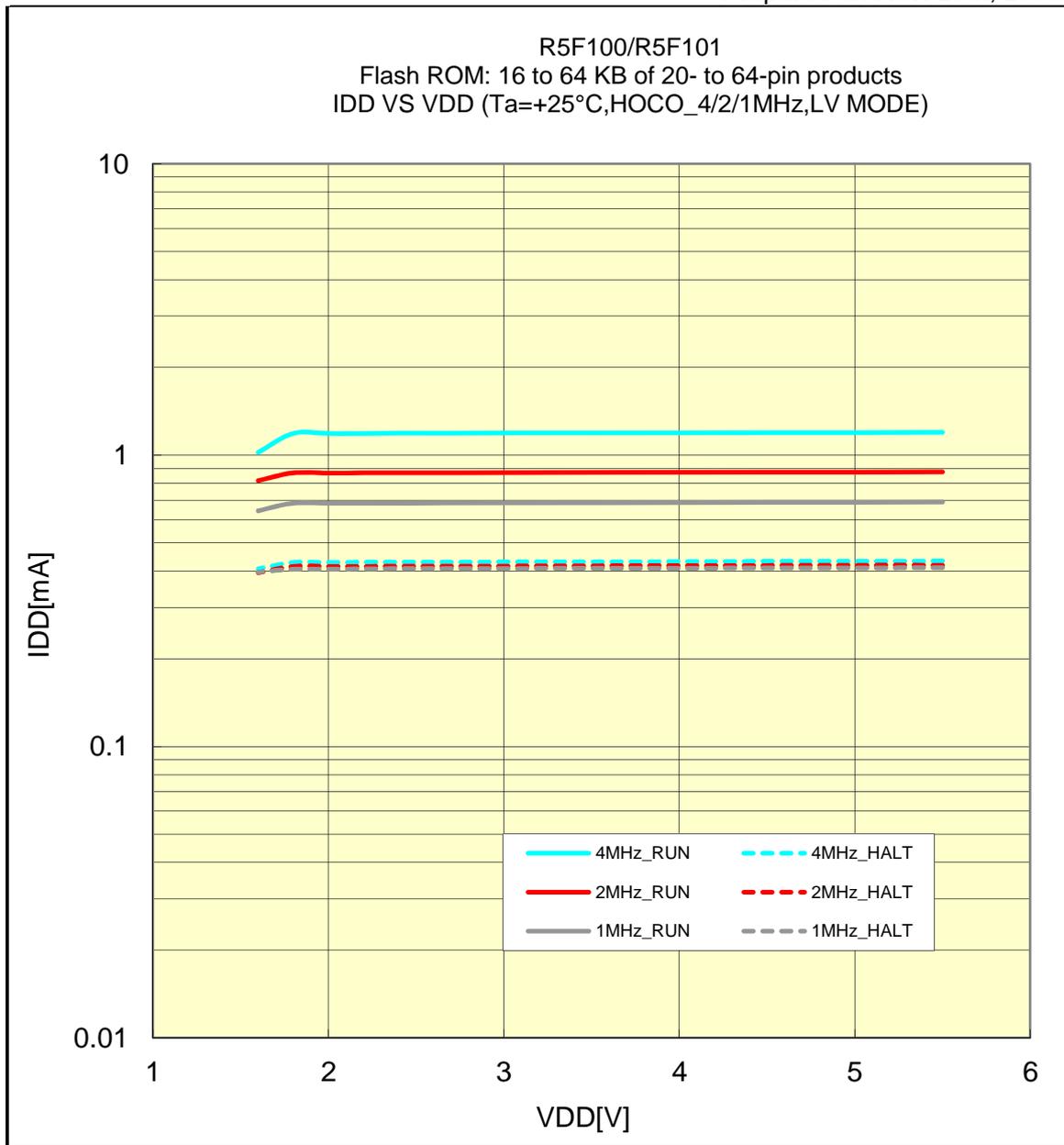| 8MHz_RUN | 8MHz_HALT |
6MHz_RUN	6MHz_HALT
5MHz_RUN	5MHz_HALT
4MHz_RUN	4MHz_HALT
2MHz_RUN	2MHz_HALT
1MHz_RUN	1MHz_HALT

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(+25°C/HOCO_4/2/1MHz/LV MODE)

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
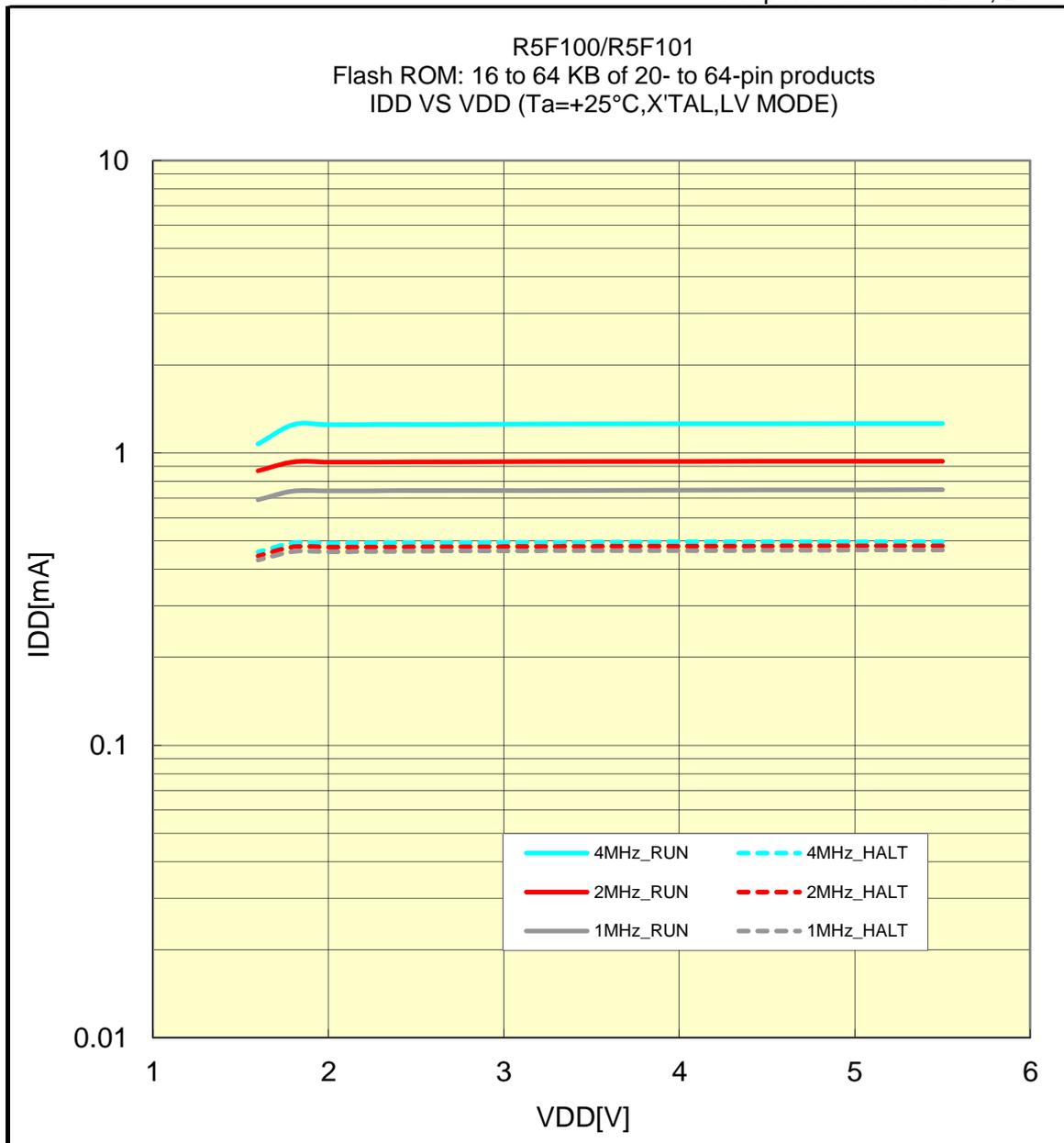IDD VS VDD (Ta=+25°C,HOCO_4/2/1MHz,LV MODE)

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(+25°C/X'TAL/LV MODE)

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
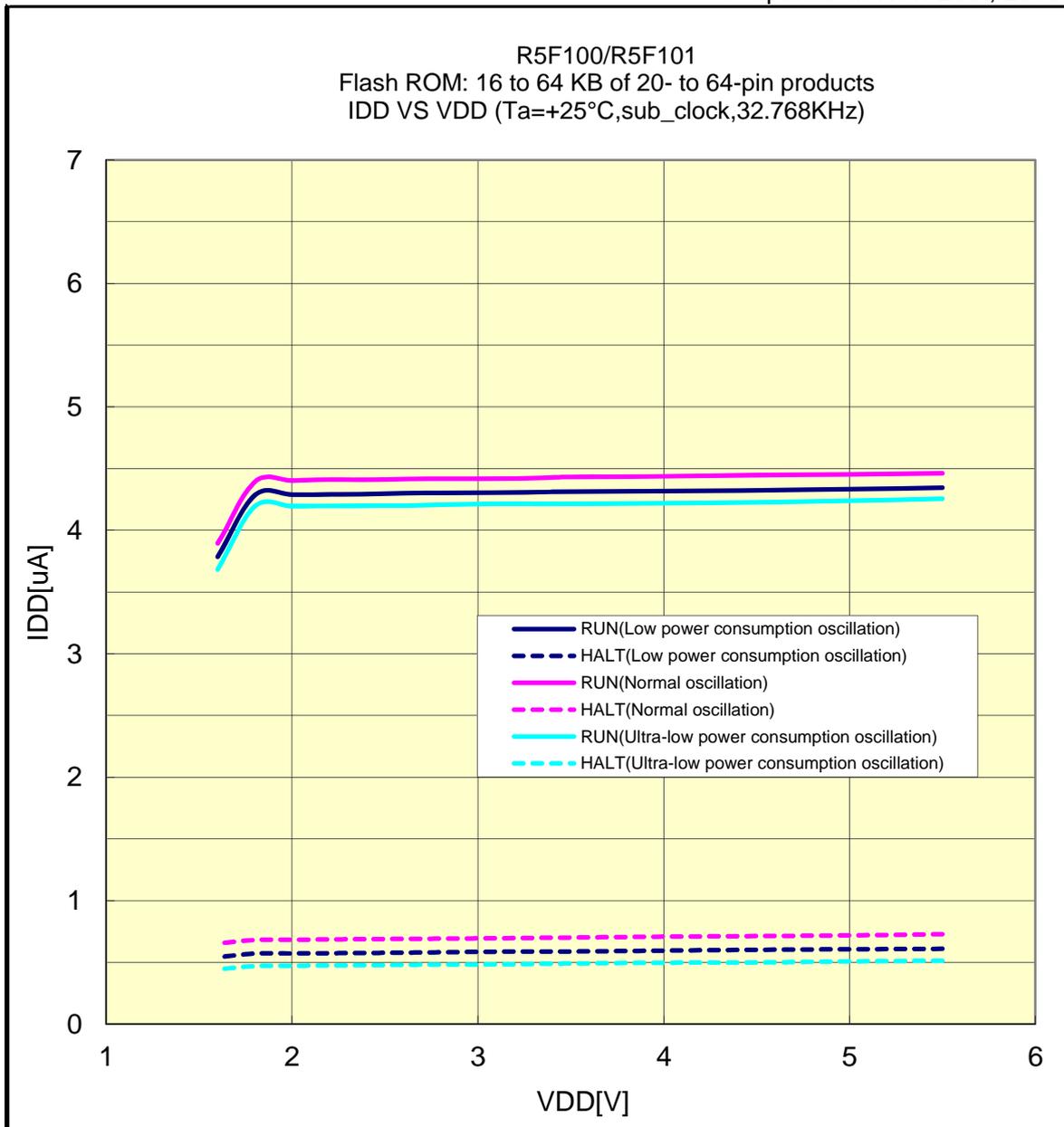IDD VS VDD (Ta=+25°C,X'TAL,LV MODE)

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(+25°C/sub_clock/32.768KHz)

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
IDD VS VDD (Ta=+25°C,sub_clock,32.768KHz)

Legend:
- RUN(Low power consumption oscillation)
- HALT(Low power consumption oscillation)
- RUN(Normal oscillation)
- HALT(Normal oscillation)
- RUN(Ultra-low power consumption oscillation)
- HALT(Ultra-low power consumption oscillation)

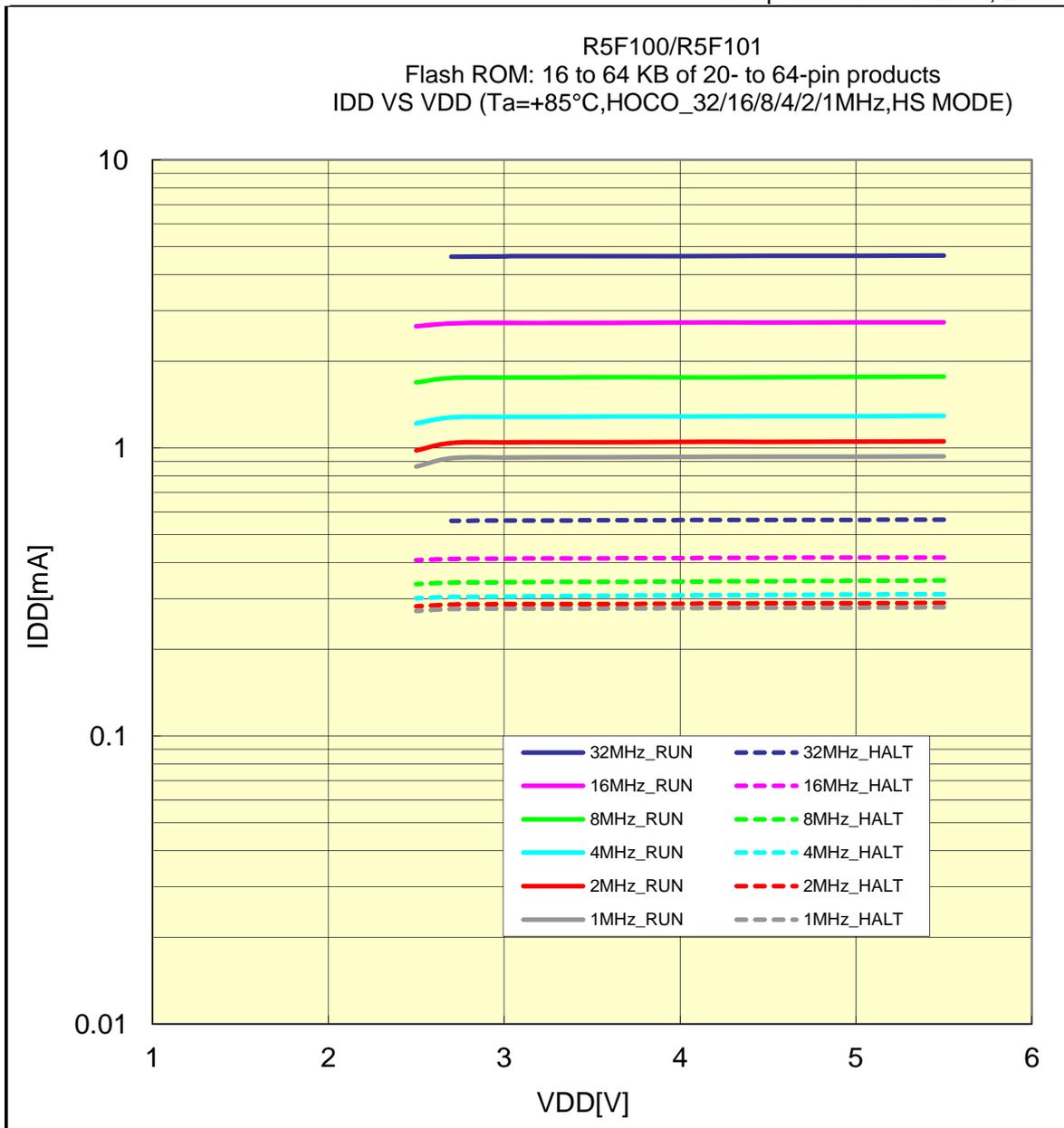Axes: IDD[uA] (vertical, 0 to 7), VDD[V] (horizontal, 1 to 6)

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(+85°C/HOCO_32/16/8/4/2/1MHz/HS MODE)

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
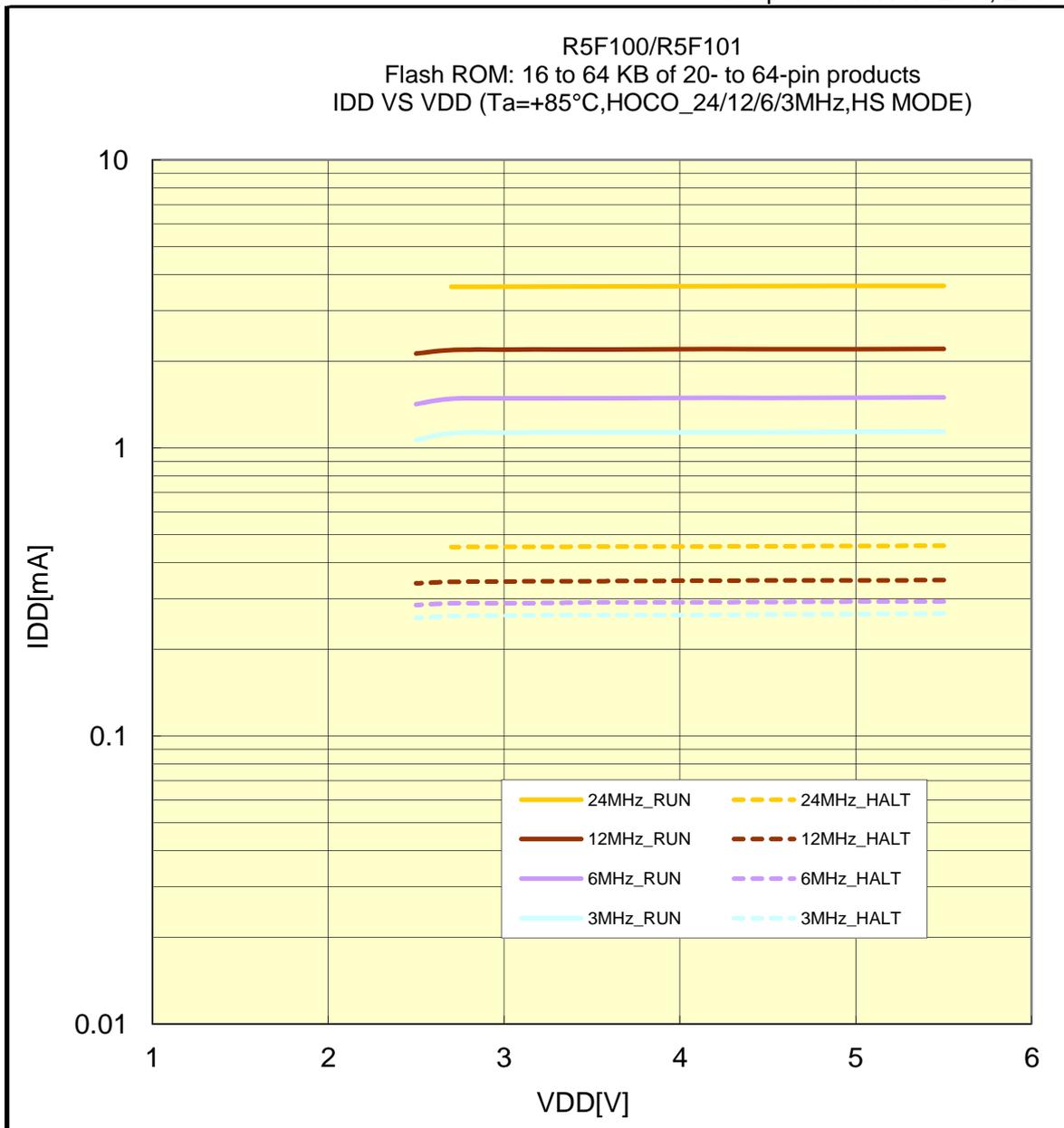IDD VS VDD (Ta=+85°C,HOCO_32/16/8/4/2/1MHz,HS MODE)

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(+85°C/HOCO_24/12/6/3MHz/HS MODE)

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
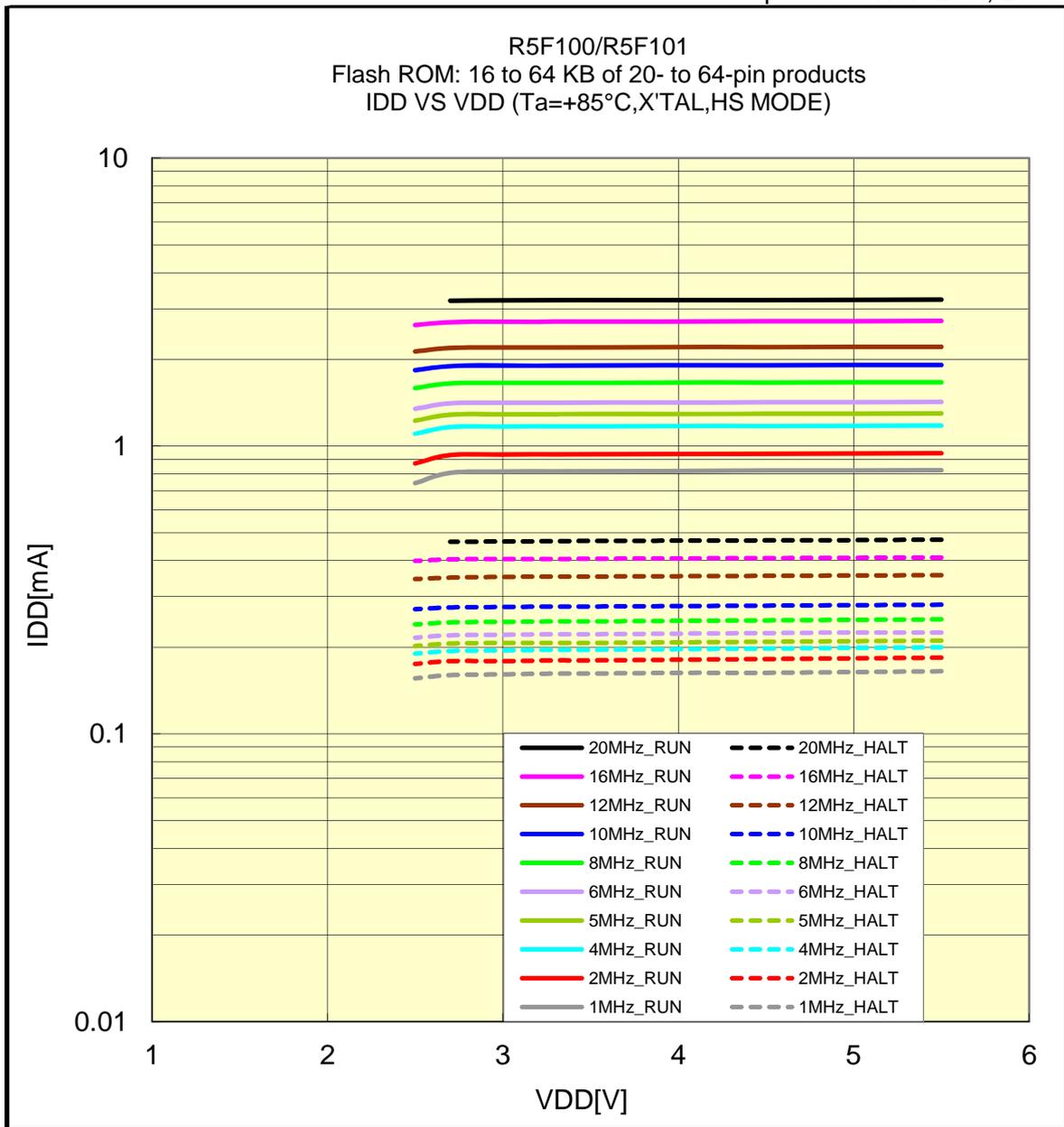IDD VS VDD (Ta=+85°C,HOCO_24/12/6/3MHz,HS MODE)

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(+85°C/X'TAL/HS MODE)

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(+85°C/HOCO_8/4/2/1MHz/LS MODE)

Prepared on Nov. 25th, 2013

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
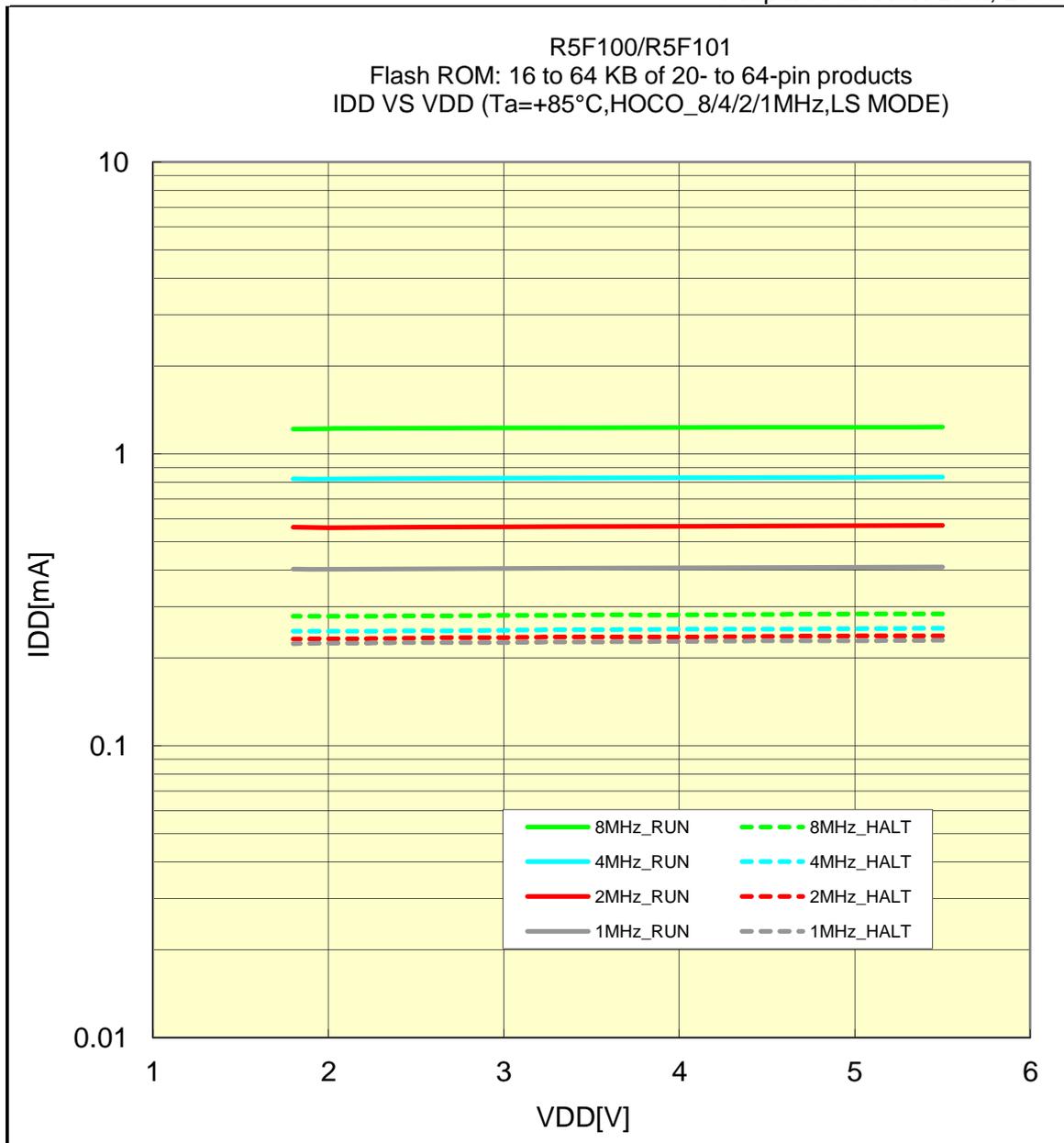IDD VS VDD (Ta=+85°C,HOCO_8/4/2/1MHz,LS MODE)

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(+85°C/X'TAL/LS MODE)

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
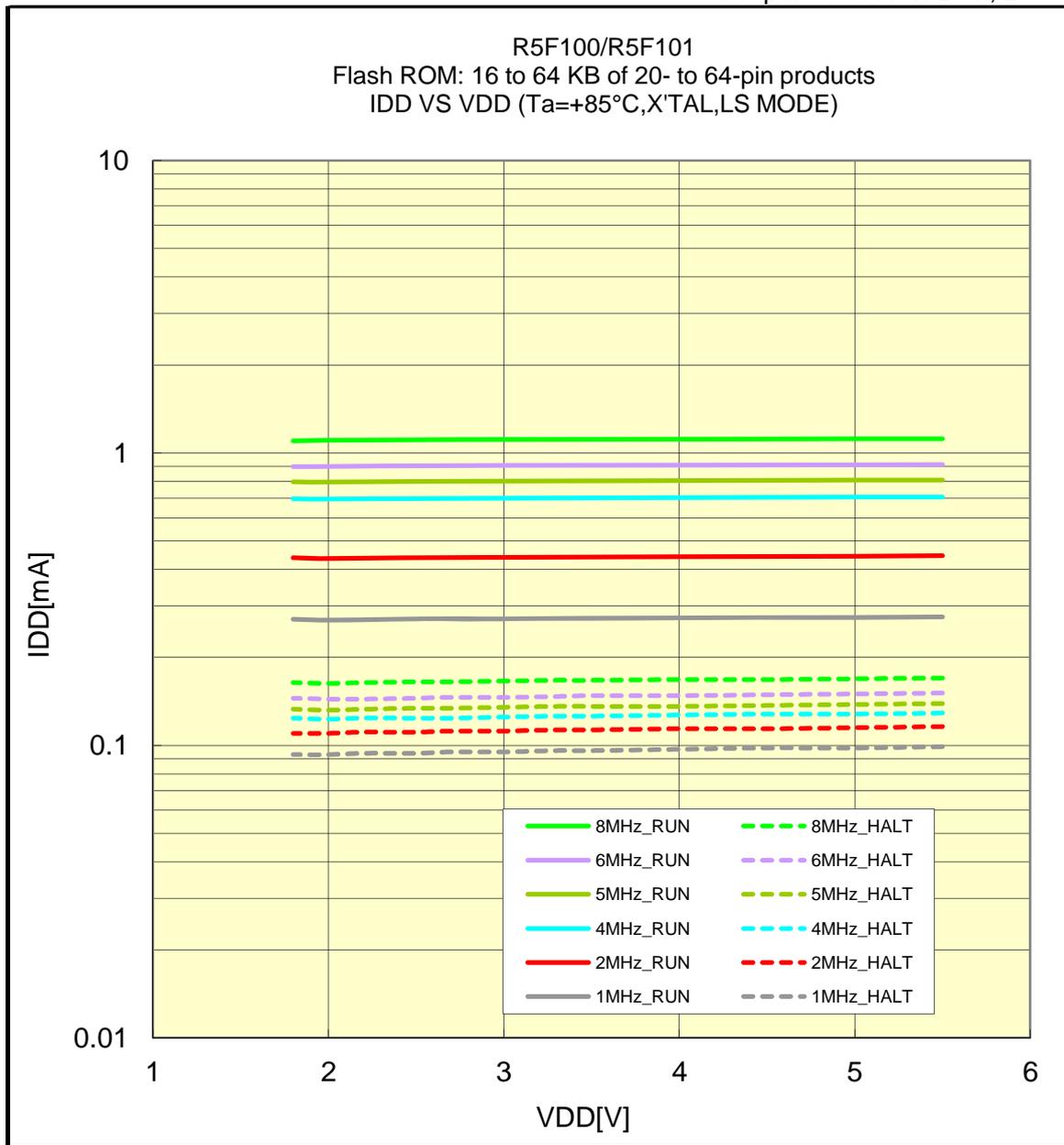IDD VS VDD (Ta=+85°C,X'TAL,LS MODE)

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(+85°C/HOCO_4/2/1MHz/LV MODE)

Prepared on Nov. 25th, 2013

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
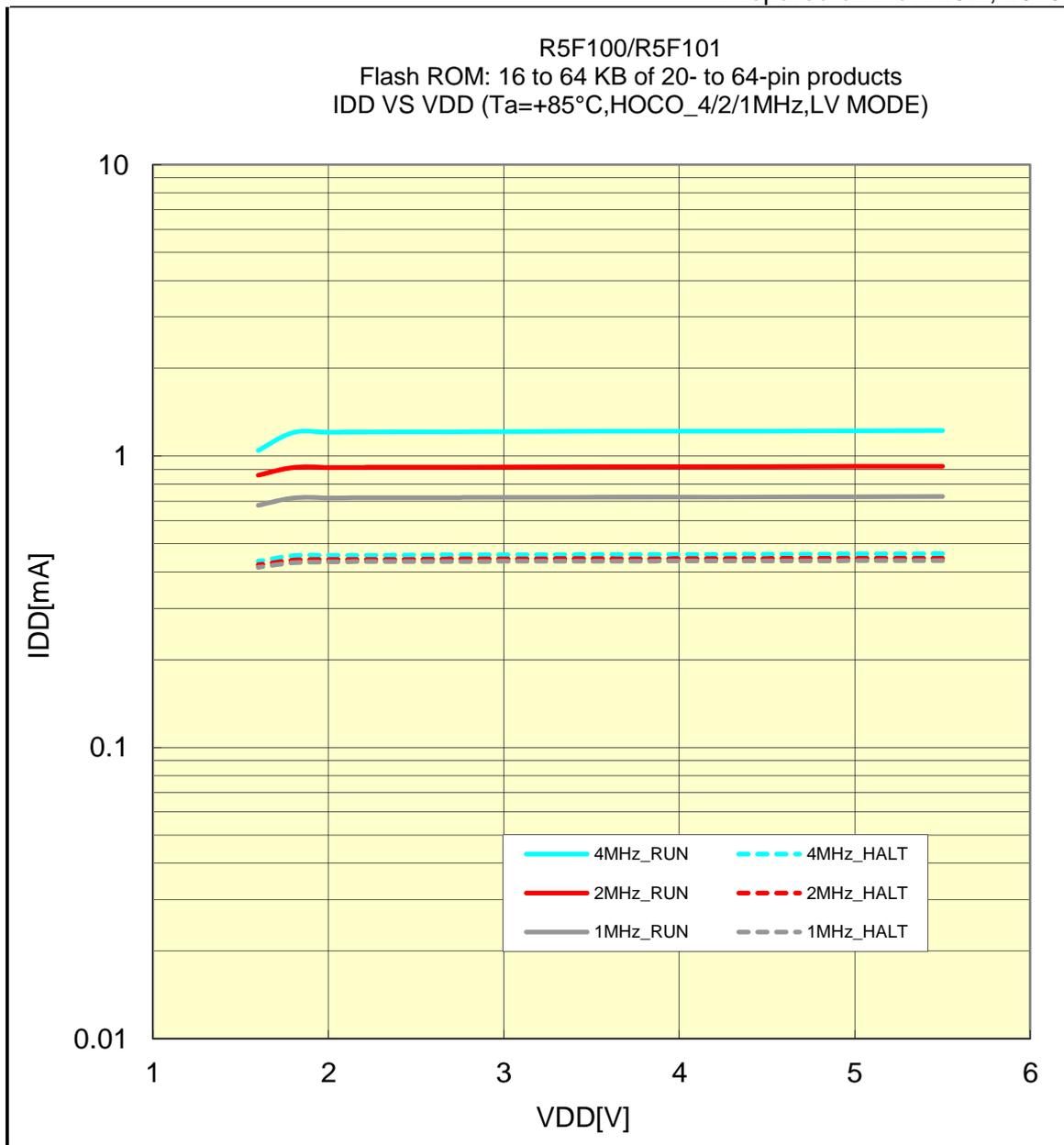IDD VS VDD (Ta=+85°C,HOCO_4/2/1MHz,LV MODE)

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(+85°C/X'TAL/LV MODE)

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
IDD VS VDD (Ta=+85°C,X'TAL,LV MODE)

Legend:
- 4MHz_RUN
- 4MHz_HALT
- 2MHz_RUN
- 2MHz_HALT
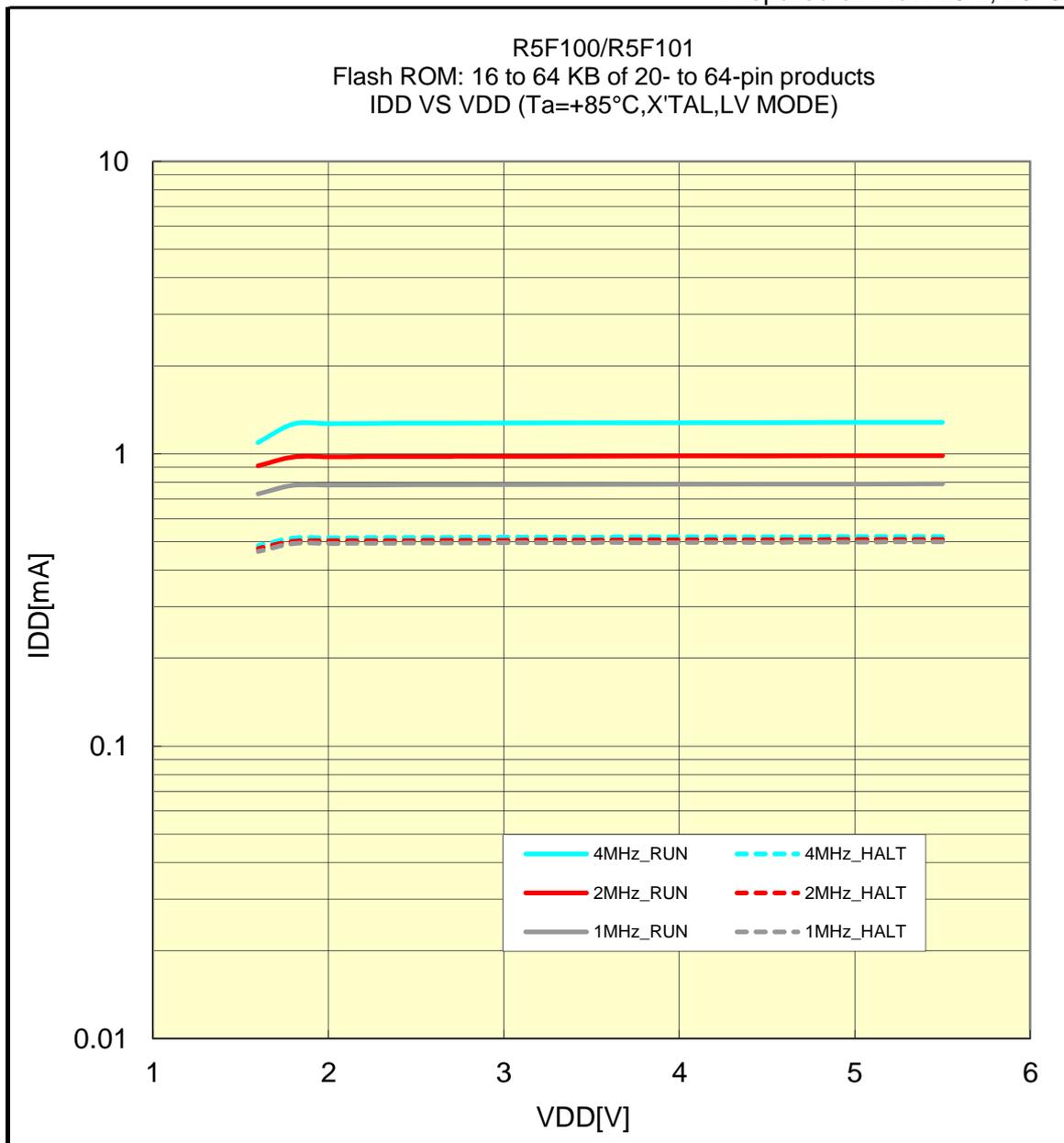- 1MHz_RUN
- 1MHz_HALT

Y-axis: IDD[mA]
X-axis: VDD[V]

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(+85°C/sub_clock/32.768KHz)

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
IDD VS VDD (Ta=+85°C,sub_clock,32.768KHz)

Legend:
- RUN(Low power consumption oscillation)
- HALT(Low power consumption oscillation)
- RUN(Normal oscillation)
- HALT(Normal oscillation)
- RUN(Ultra-low power consumption oscillation)
- HALT(Ultra-low power consumption oscillation)
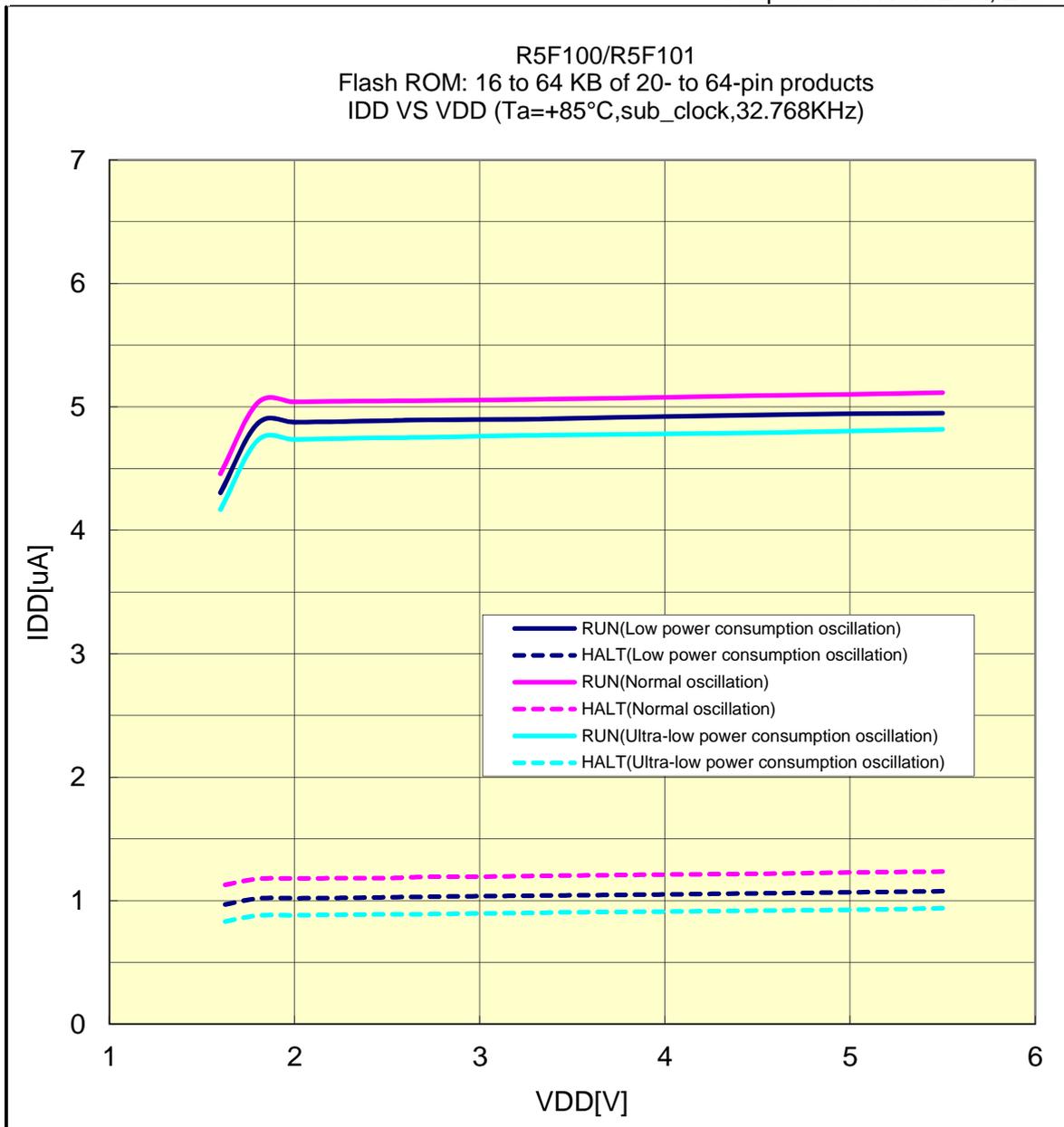
X-axis: VDD[V]
Y-axis: IDD[uA]

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100 for the products "G: Industrial applications"
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(+105°C/HOCO_32/16/8/4/2/1MHz/HS MODE

Prepared on Nov. 25th, 2013

R5F100xxG
Flash ROM: 16 to 64 KB of 20- to 64-pin products
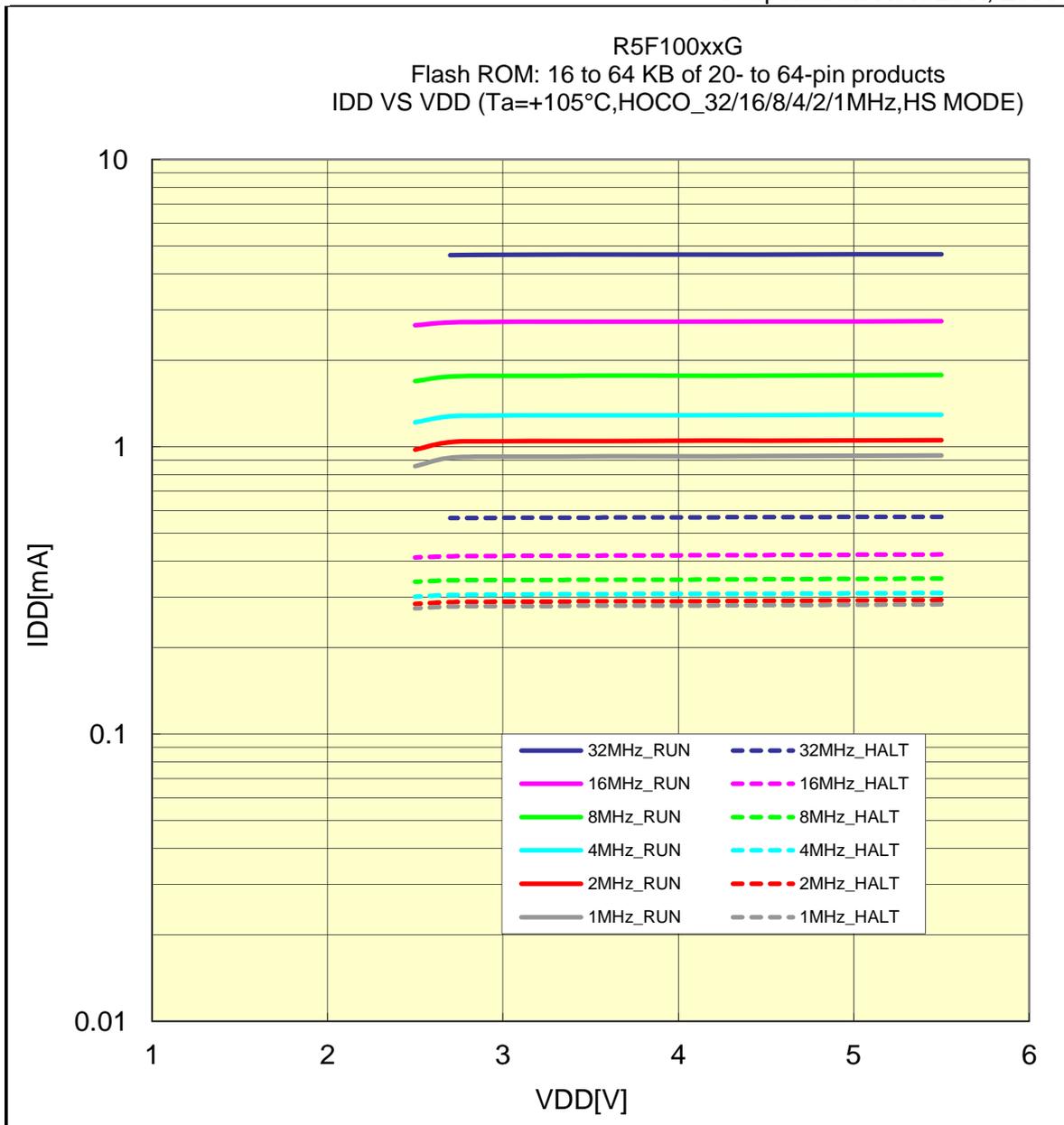IDD VS VDD (Ta=+105°C,HOCO_32/16/8/4/2/1MHz,HS MODE)

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100 for the products "G: Industrial applications"
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(+105°C/HOCO_24/12/6/3MHz/HS MODE)

R5F100xxG
Flash ROM: 16 to 64 KB of 20- to 64-pin products
IDD VS VDD (Ta=+105°C,HOCO_24/12/6/3MHz,HS MODE)

Legend:
- 24MHz_RUN
- 24MHz_HALT
- 12MHz_RUN
- 12MHz_HALT
- 6MHz_RUN
- 6MHz_HALT
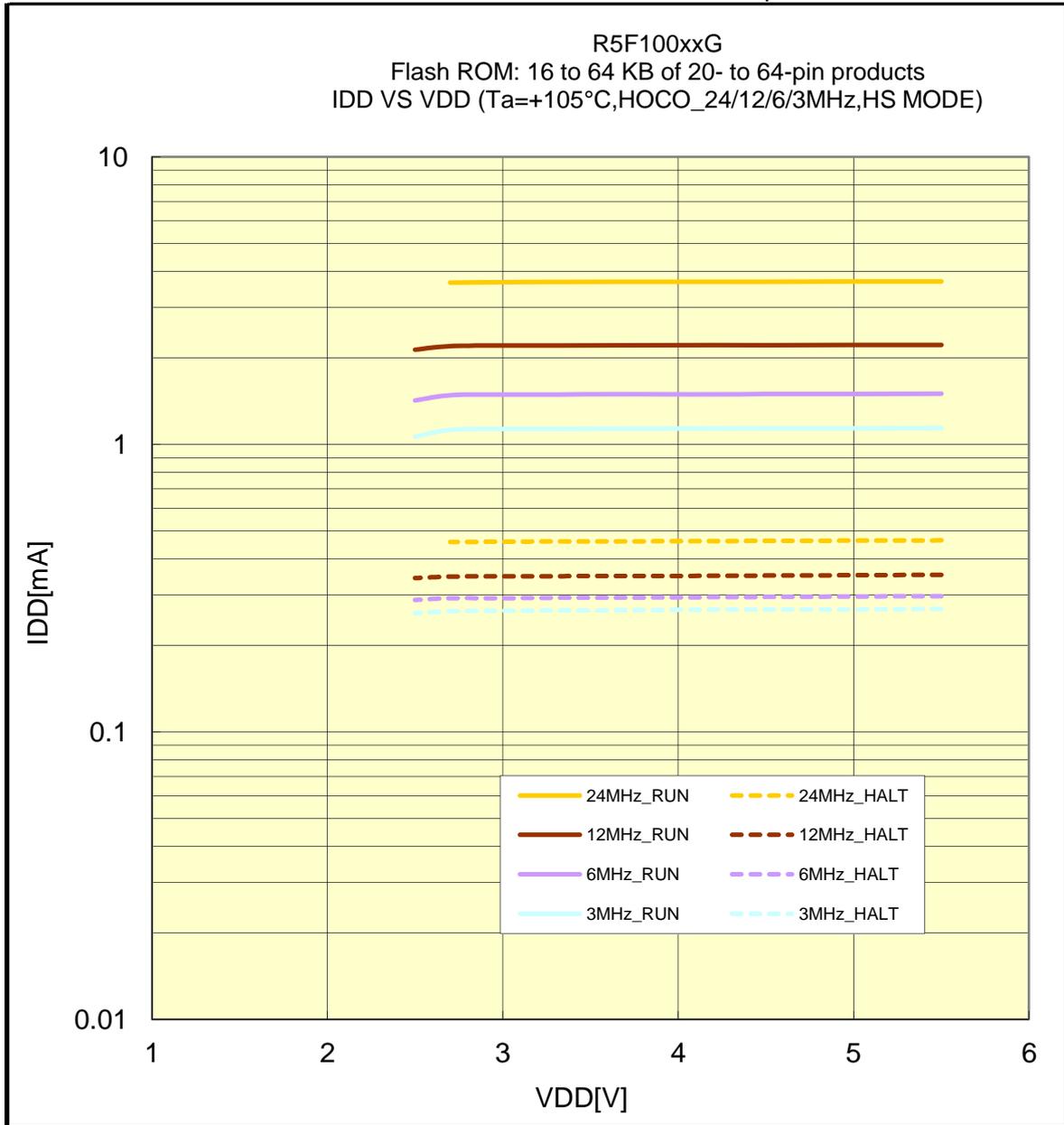- 3MHz_RUN
- 3MHz_HALT

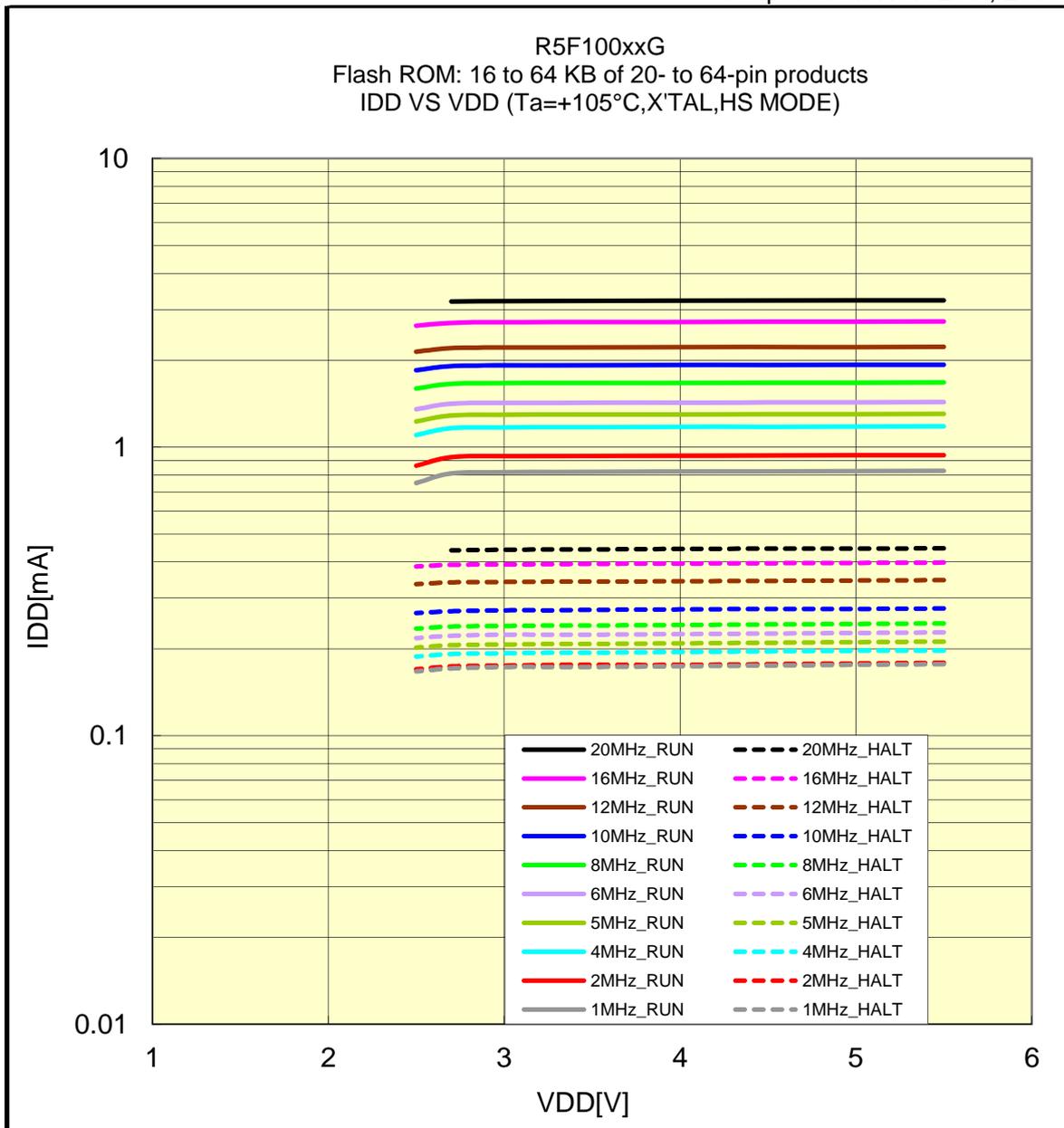Y-axis: IDD[mA]
X-axis: VDD[V]

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100 for the products "G: Industrial applications"
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(+105°C/X'TAL/HS MODE)

R5F100xxG
Flash ROM: 16 to 64 KB of 20- to 64-pin products
IDD VS VDD (Ta=+105°C,X'TAL,HS MODE)

Legend:
- 20MHz_RUN
- 16MHz_RUN
- 12MHz_RUN
- 10MHz_RUN
- 8MHz_RUN
- 6MHz_RUN
- 5MHz_RUN
- 4MHz_RUN
- 2MHz_RUN
- 1MHz_RUN
- 20MHz_HALT
- 16MHz_HALT
- 12MHz_HALT
- 10MHz_HALT
- 8MHz_HALT
- 6MHz_HALT
- 5MHz_HALT
- 4MHz_HALT
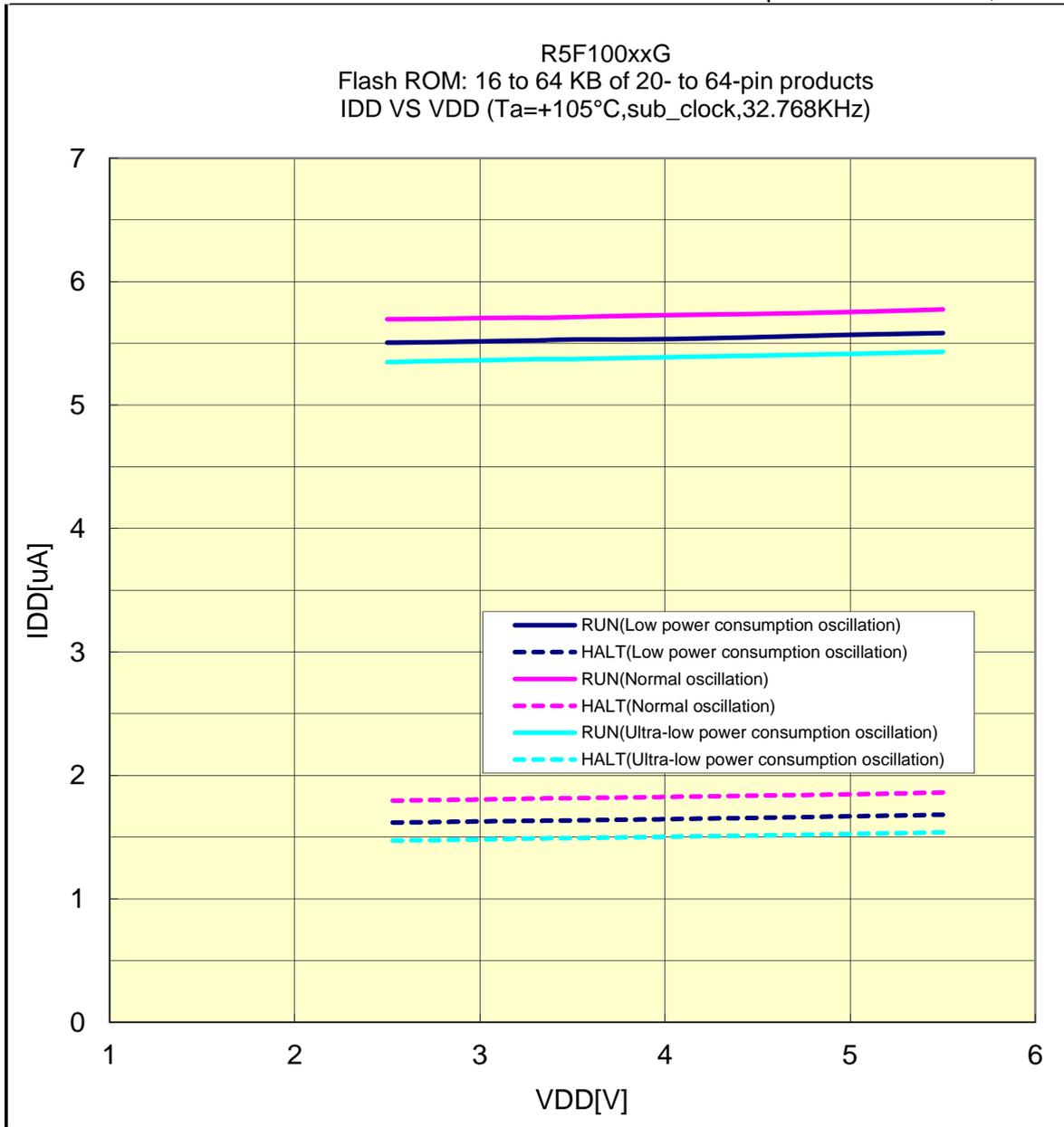- 2MHz_HALT
- 1MHz_HALT

Y-axis: IDD[mA]
X-axis: VDD[V]

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100 for the products "G: Industrial applications"
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(+105°C/sub_clock/32.768KHz)

R5F100xxG
Flash ROM: 16 to 64 KB of 20- to 64-pin products
IDD VS VDD (Ta=+105°C,sub_clock,32.768KHz)

Legend:
— RUN(Low power consumption oscillation)
- - - HALT(Low power consumption oscillation)
— RUN(Normal oscillation)
- - - HALT(Normal oscillation)
— RUN(Ultra-low power consumption oscillation)
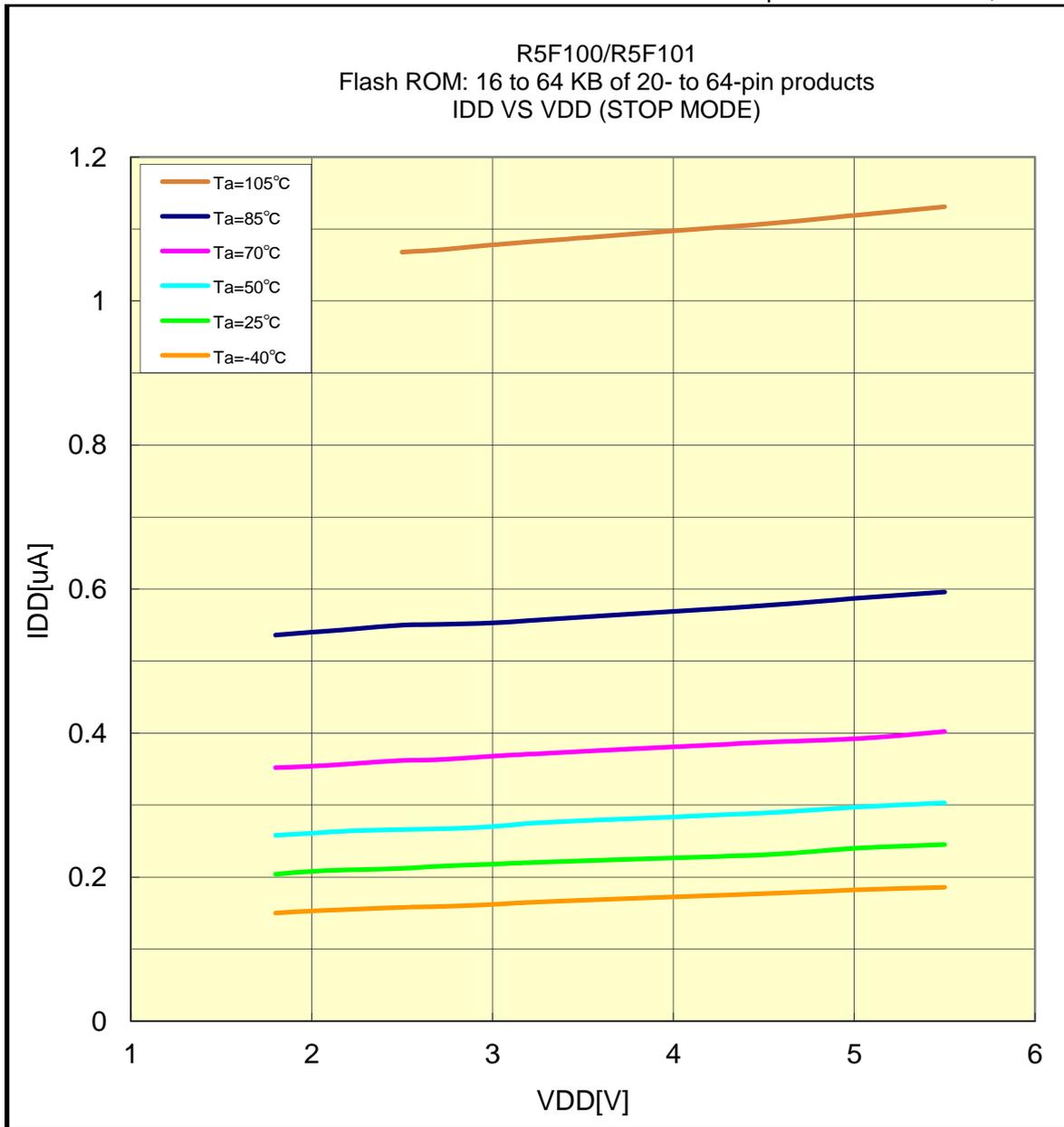- - - HALT(Ultra-low power consumption oscillation)

IDD[uA] vs VDD[V]

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS VDD(STOP MODE)

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
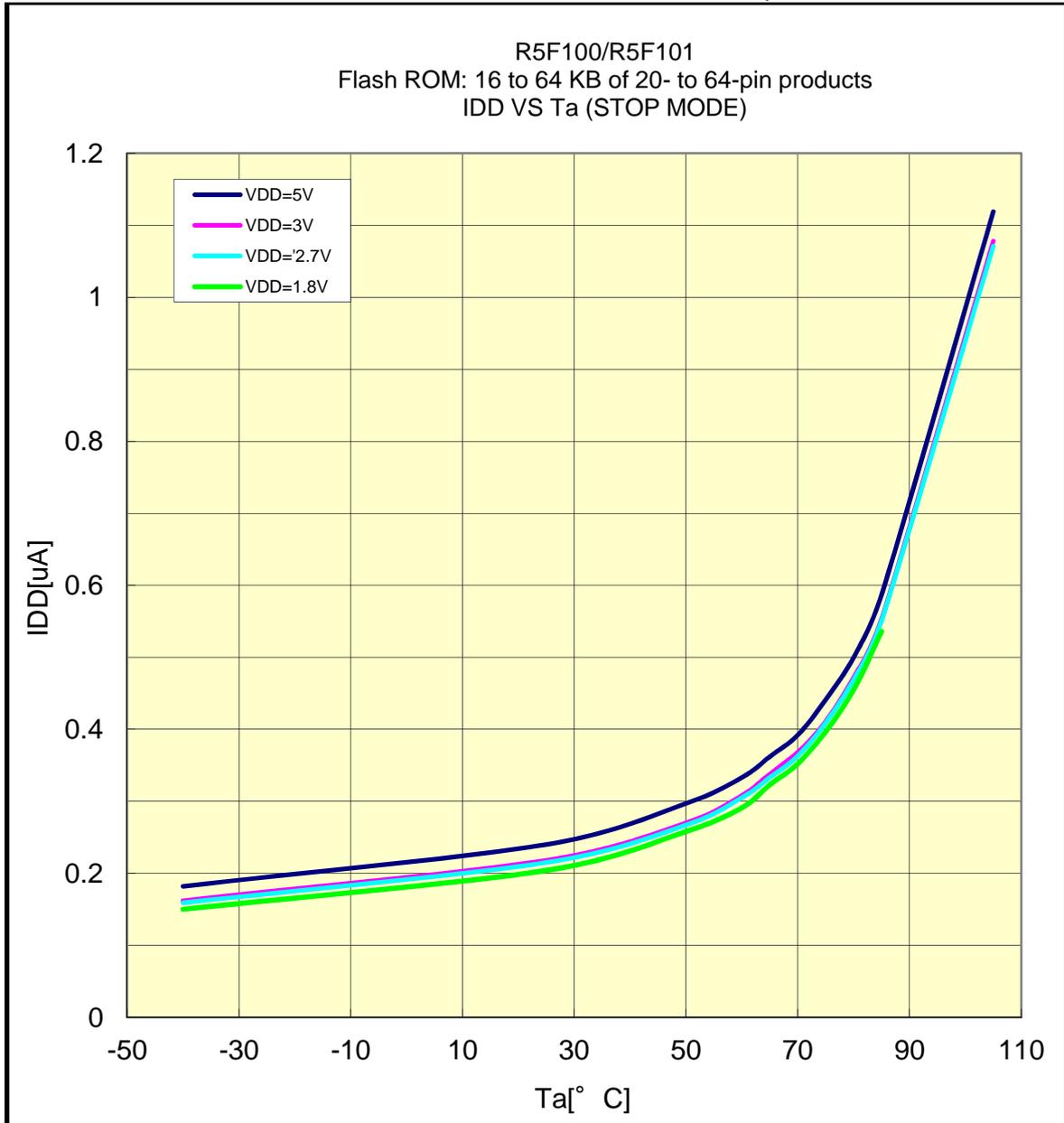IDD VS VDD (STOP MODE)

Caution. When RL78/G13 is used in the range of TA = +85 to +105°C, use the R5F100 for the products "G: Industrial applications".

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products

IDD VS Ta(STOP MODE)

R5F100/R5F101
Flash ROM: 16 to 64 KB of 20- to 64-pin products
IDD VS Ta (STOP MODE)

Caution. When RL78/G13 is used in the range of TA = +85 to +105°C, use the R5F100 for the products "G: Industrial applications".

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.