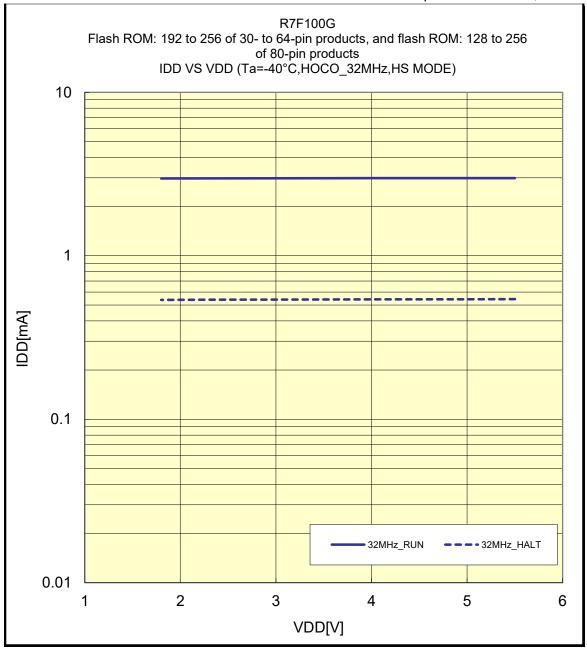# R7F100G

Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products

IDD VS VDD(-40°C/HOCO_32MHz/HS MODE)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
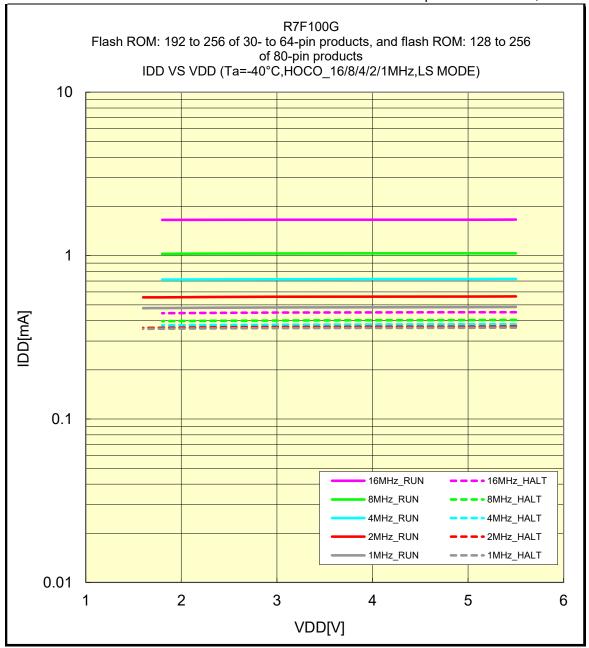IDD VS VDD (Ta=-40°C,HOCO_32MHz,HS MODE)

Legend: 32MHz_RUN, 32MHz_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.

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
IDD VS VDD(-40°C/HOCO_16/8/4/2/1MHz/LS MODE)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=-40°C,HOCO_16/8/4/2/1MHz,LS MODE)

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

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

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

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
IDD VS VDD(-40°C/HOCO_24/12/6/3MHz/LS MODE)

Prepared on Jan. 5th, 2022

R7F100G
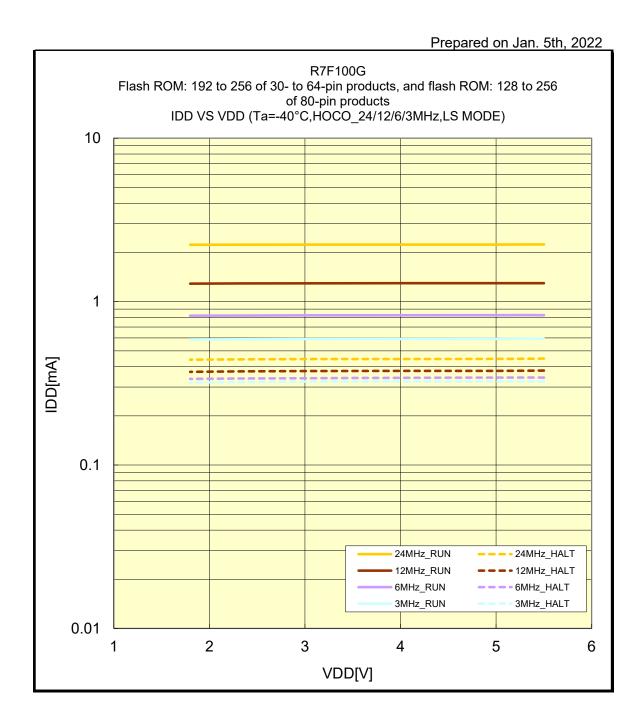Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=-40°C,HOCO_24/12/6/3MHz,LS MODE)

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

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
IDD VS VDD(-40°C/MOCO_4/2/1MHz/LS MODE)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
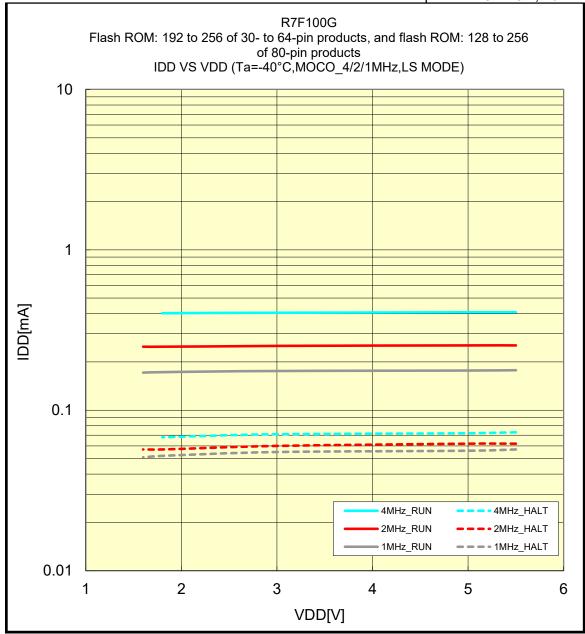of 80-pin products
IDD VS VDD (Ta=-40°C,MOCO_4/2/1MHz,LS MODE)

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.
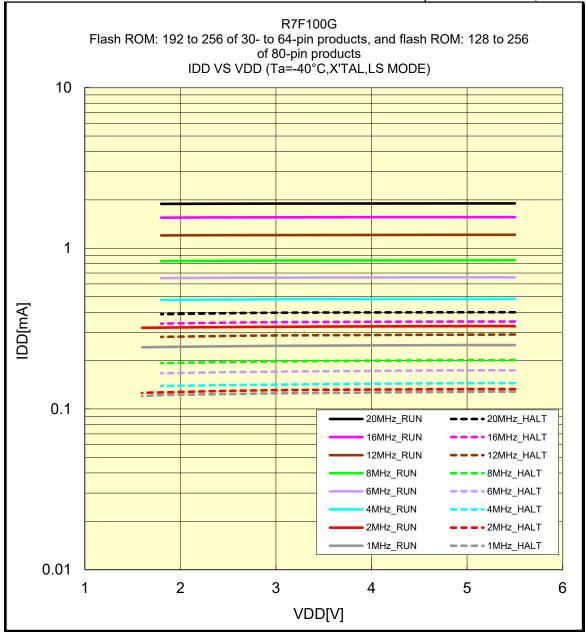
R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
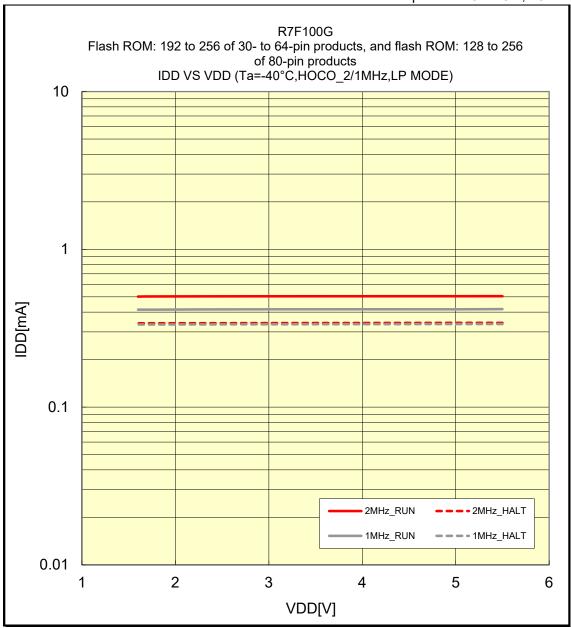# IDD VS VDD(-40°C/X'TAL/LS MODE)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=-40°C,X'TAL,LS MODE)

20MHz_RUN	20MHz_HALT
16MHz_RUN	16MHz_HALT
12MHz_RUN	12MHz_HALT
8MHz_RUN	8MHz_HALT
6MHz_RUN	6MHz_HALT
4MHz_RUN	4MHz_HALT
2MHz_RUN	2MHz_HALT
1MHz_RUN	1MHz_HALT

Remark 1MHz：4MHz / 4 (MOSCDIV = 02H)
      2MHz：4MHz / 2 (MOSCDIV = 01H)

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

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
IDD VS VDD(-40°C/HOCO_2/1MHz/LP MODE)

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=-40°C,HOCO_2/1MHz,LP MODE)

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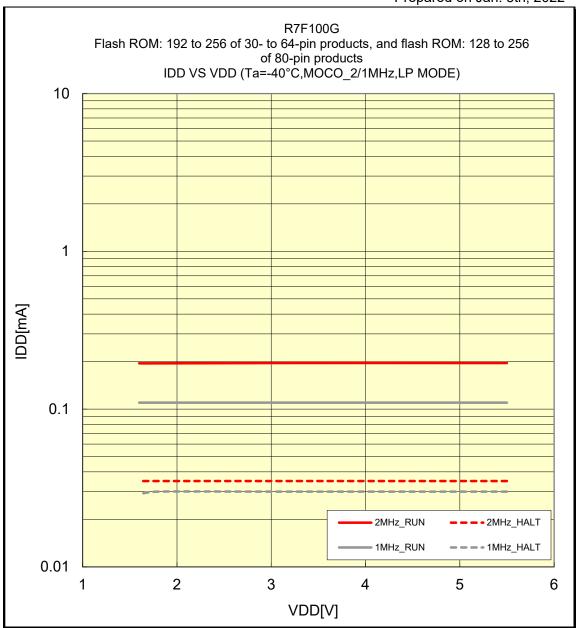- 2MHz_RUN
- 2MHz_HALT
- 1MHz_RUN
- 1MHz_HALT

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

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

R7F100G

Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products

IDD VS VDD(-40°C/MOCO_2/1MHz/LP MODE)

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=-40°C,MOCO_2/1MHz,LP MODE)

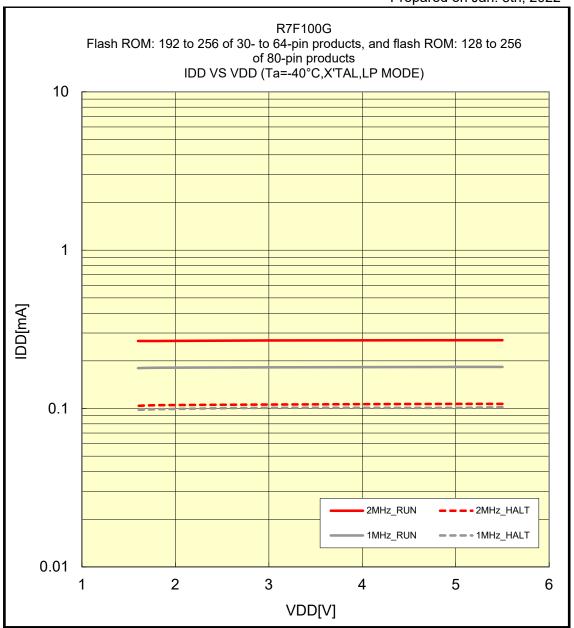The above mentioned value is only for your reference. The value was measured under
certain conditions and does not guarantee the product's characteristics.

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
IDD VS VDD(-40°C/X'TAL/LP MODE)

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=-40°C,X'TAL,LP MODE)

Legend: 2MHz_RUN, 2MHz_HALT, 1MHz_RUN, 1MHz_HALT

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

Remark 1MHz：4MHz / 4 (MOSCDIV = 02H)
         2MHz：4MHz / 2 (MOSCDIV = 01H)

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

R7F100G

Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products

IDD VS VDD(-40°C/LOCO/32.768KHz)
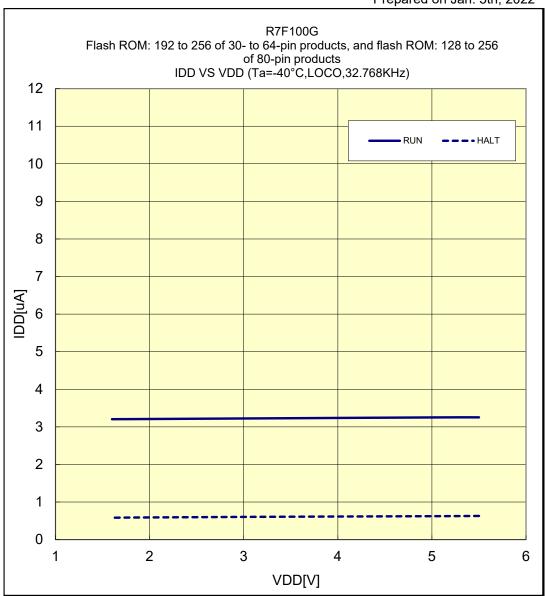
Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=-40°C,LOCO,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.

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
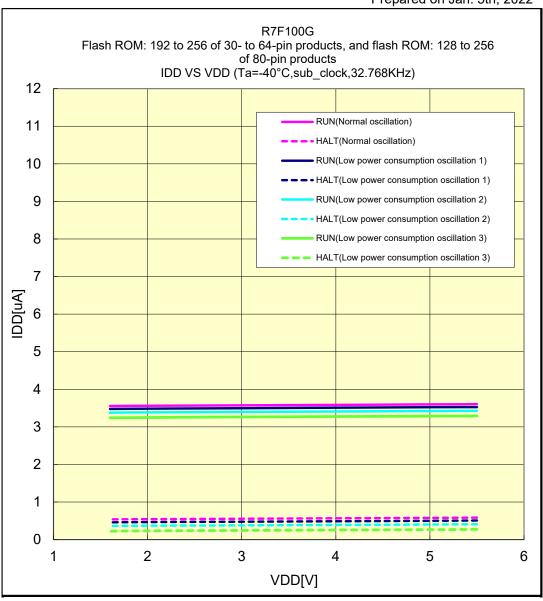# IDD VS VDD(-40°C/sub_clock/32.768KHz)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=-40°C,sub_clock,32.768KHz)

- RUN(Normal oscillation)
- HALT(Normal oscillation)
- RUN(Low power consumption oscillation 1)
- HALT(Low power consumption oscillation 1)
- RUN(Low power consumption oscillation 2)
- HALT(Low power consumption oscillation 2)
- RUN(Low power consumption oscillation 3)
- HALT(Low power consumption oscillation 3)

IDD[uA]

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.

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
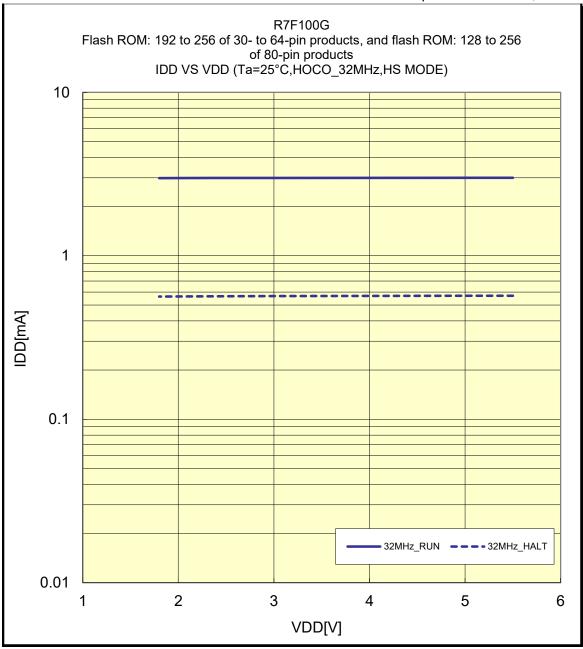# IDD VS VDD(25°C/HOCO_32MHz/HS MODE)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=25°C,HOCO_32MHz,HS MODE)

Legend: 32MHz_RUN, 32MHz_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.

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
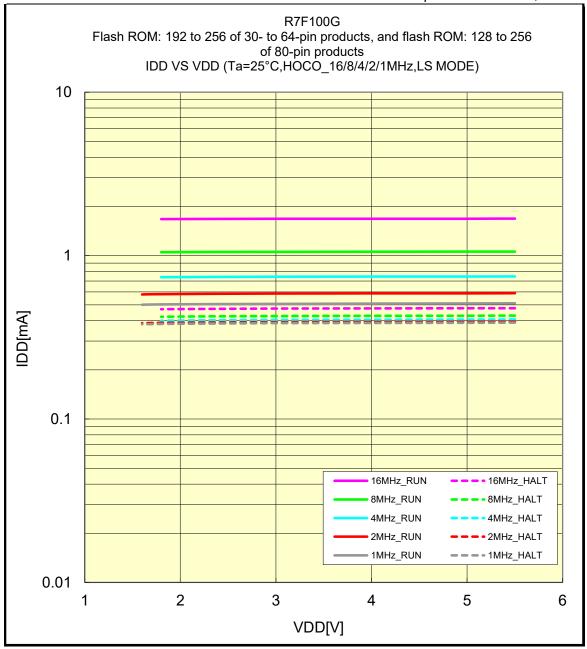# IDD VS VDD(25°C/HOCO_16/8/4/2/1MHz/LS MODE)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=25°C,HOCO_16/8/4/2/1MHz,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.

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
IDD VS VDD(25°C/HOCO_24/12/6/3MHz/LS MODE)

Prepared on Jan. 5th, 2022

R7F100G
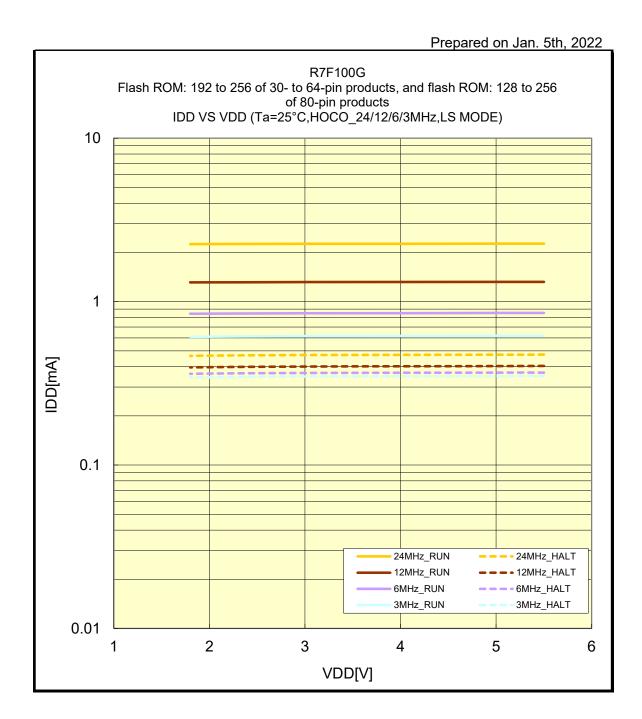Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=25°C,HOCO_24/12/6/3MHz,LS MODE)

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

Axis: 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.

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
IDD VS VDD(25°C/MOCO_4/2/1MHz/LS MODE)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
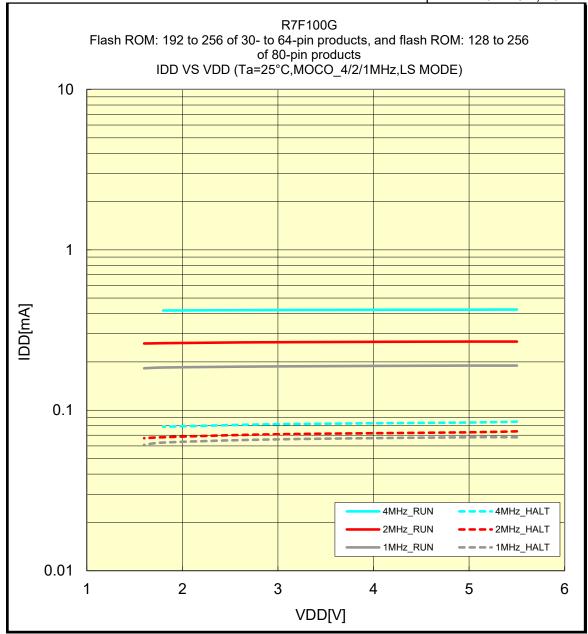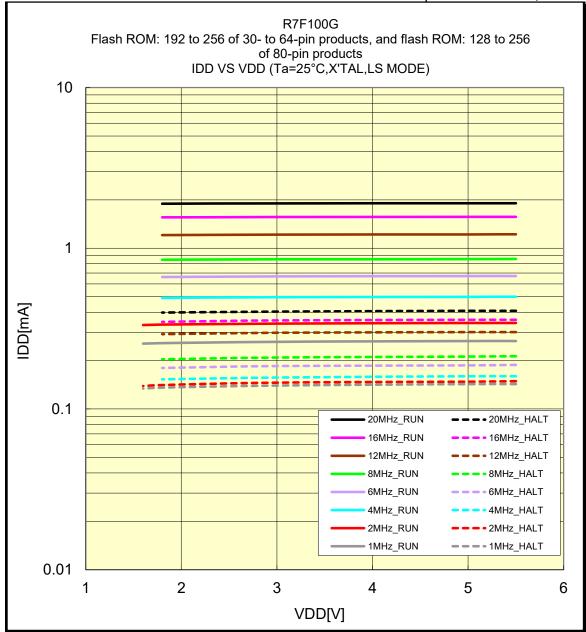of 80-pin products
IDD VS VDD (Ta=25°C,MOCO_4/2/1MHz,LS MODE)

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

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
IDD VS VDD(25°C/X'TAL/LS MODE)

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
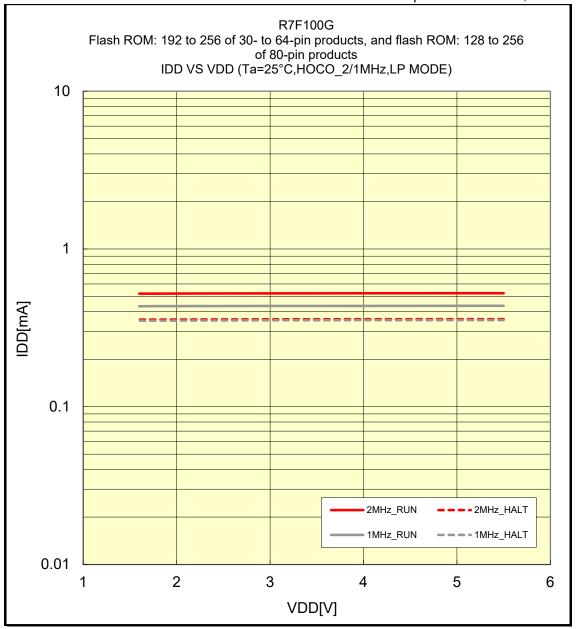of 80-pin products
IDD VS VDD (Ta=25°C,X'TAL,LS MODE)

20MHz_RUN	20MHz_HALT
16MHz_RUN	16MHz_HALT
12MHz_RUN	12MHz_HALT
8MHz_RUN	8MHz_HALT
6MHz_RUN	6MHz_HALT
4MHz_RUN	4MHz_HALT
2MHz_RUN	2MHz_HALT
1MHz_RUN	1MHz_HALT

Remark 1MHz：4MHz / 4 (MOSCDIV = 02H)
        2MHz：4MHz / 2 (MOSCDIV = 01H)

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

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,

and flash ROM: 128 to 256 of 80-pin products

IDD VS VDD(25°C/HOCO_2/1MHz/LP MODE)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=25°C,HOCO_2/1MHz,LP MODE)

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

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

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

R7F100G

Flash ROM: 192 to 256 of 30- to 64-pin products,

and flash ROM: 128 to 256 of 80-pin products
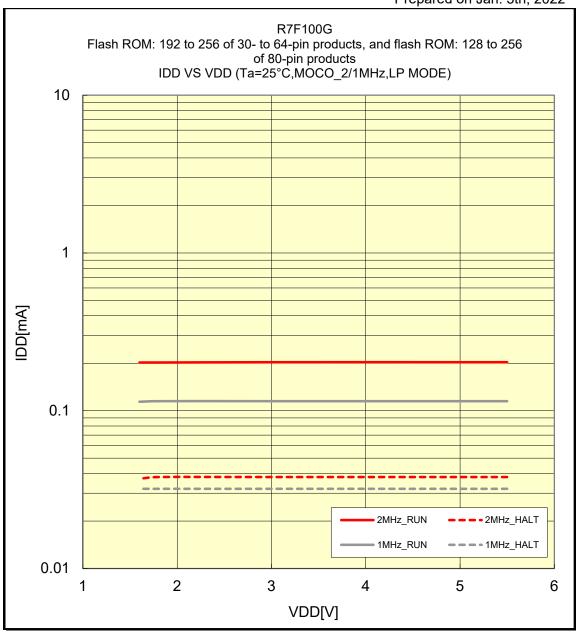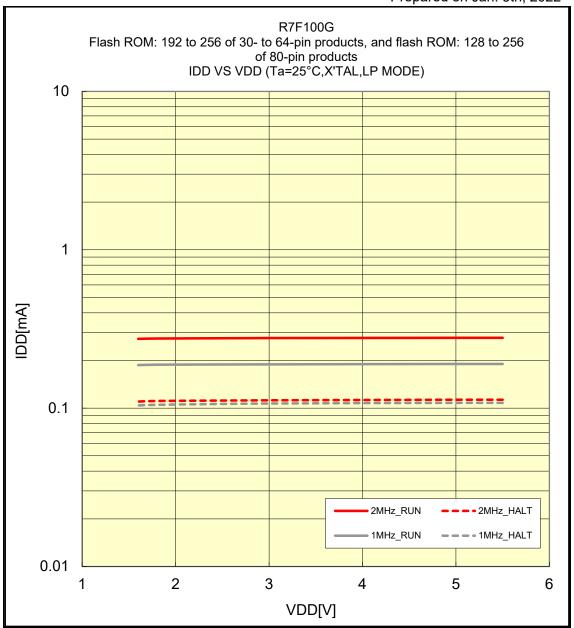
IDD VS VDD(25°C/MOCO_2/1MHz/LP MODE)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=25°C,MOCO_2/1MHz,LP 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.

R7F100G

Flash ROM: 192 to 256 of 30- to 64-pin products,

and flash ROM: 128 to 256 of 80-pin products

IDD VS VDD(25°C/X'TAL/LP MODE)

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=25°C,X'TAL,LP MODE)

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

Remark 1MHz：4MHz / 4 (MOSCDIV = 02H)
          2MHz：4MHz / 2 (MOSCDIV = 01H)

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

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products

IDD VS VDD(25°C/LOCO/32.768KHz)

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=25°C,LOCO,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.

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
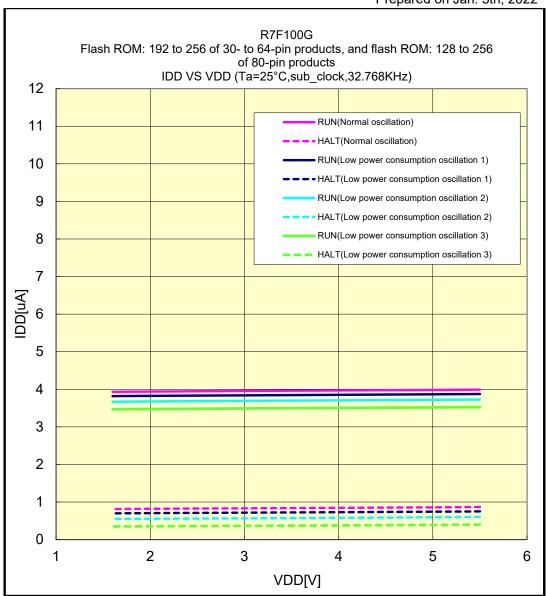# IDD VS VDD(25°C/sub_clock/32.768KHz)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=25°C,sub_clock,32.768KHz)

RUN(Normal oscillation)
HALT(Normal oscillation)
RUN(Low power consumption oscillation 1)
HALT(Low power consumption oscillation 1)
RUN(Low power consumption oscillation 2)
HALT(Low power consumption oscillation 2)
RUN(Low power consumption oscillation 3)
HALT(Low power consumption oscillation 3)

IDD[uA]

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.

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
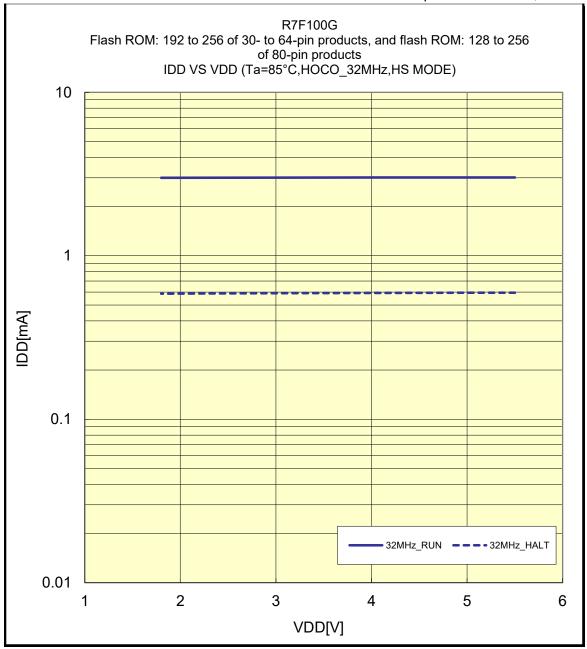# IDD VS VDD(85°C/HOCO_32MHz/HS MODE)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=85°C,HOCO_32MHz,HS MODE)

Legend: 32MHz_RUN, 32MHz_HALT

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

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

R7F100G

Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
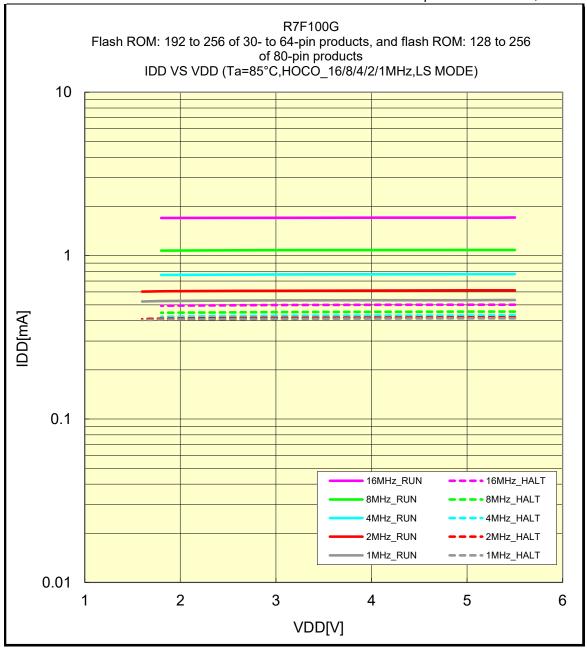
IDD VS VDD(85°C/HOCO_16/8/4/2/1MHz/LS MODE)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=85°C,HOCO_16/8/4/2/1MHz,LS MODE)

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

Axes: 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.

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
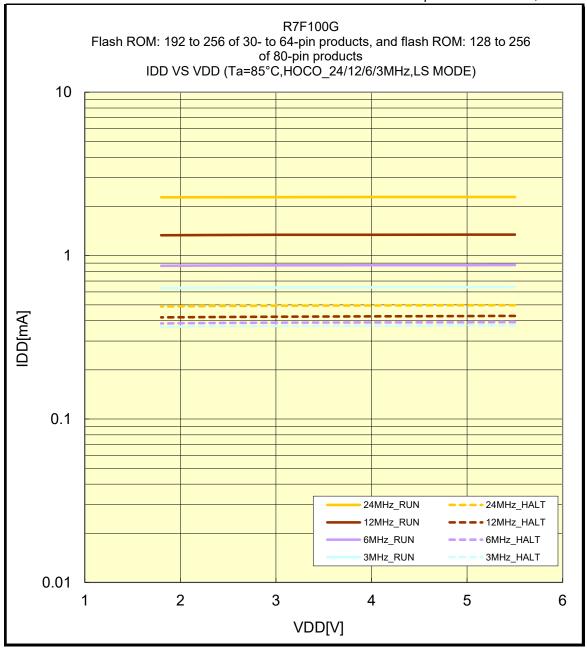# IDD VS VDD(85°C/HOCO_24/12/6/3MHz/LS MODE)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=85°C,HOCO_24/12/6/3MHz,LS MODE)

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

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

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

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
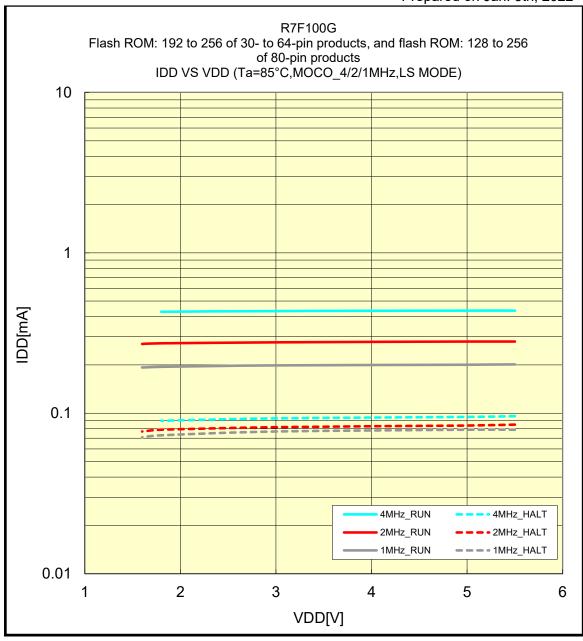# IDD VS VDD(85°C/MOCO_4/2/1MHz/LS MODE)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=85°C,MOCO_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.

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
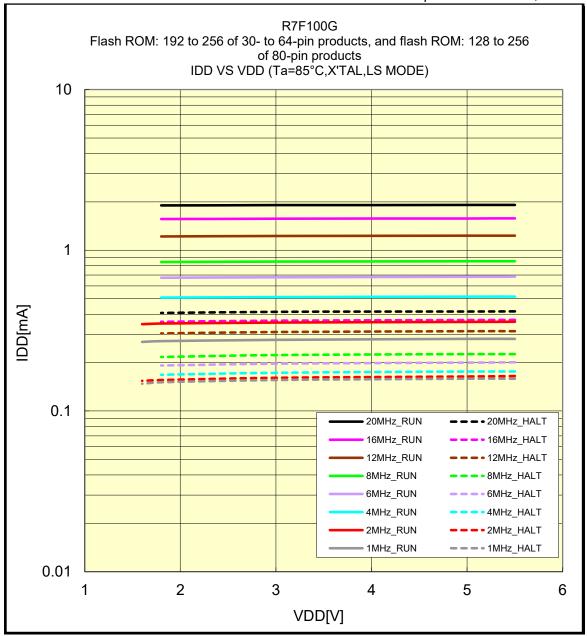**and flash ROM: 128 to 256 of 80-pin products**
IDD VS VDD(85°C/X'TAL/LS MODE)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=85°C,X'TAL,LS MODE)

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

Axes: IDD[mA] vs VDD[V]

Remark 1MHz：4MHz / 4 (MOSCDIV = 02H)
        2MHz：4MHz / 2 (MOSCDIV = 01H)

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

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
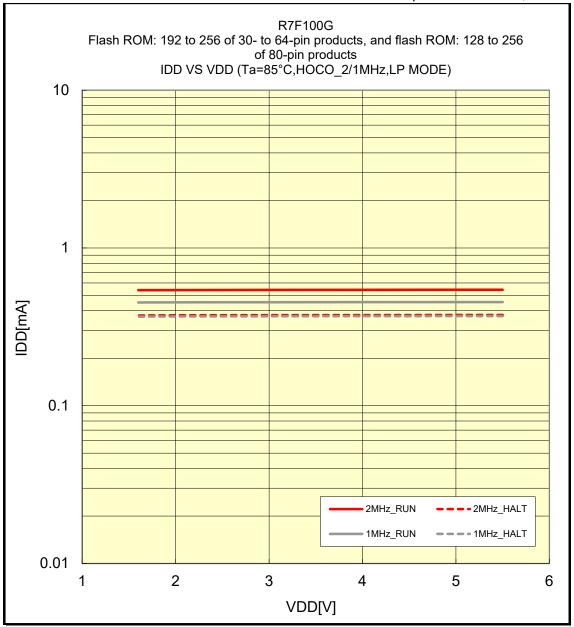# IDD VS VDD(85°C/HOCO_2/1MHz/LP MODE)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=85°C,HOCO_2/1MHz,LP MODE)

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

Axis labels: 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.

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
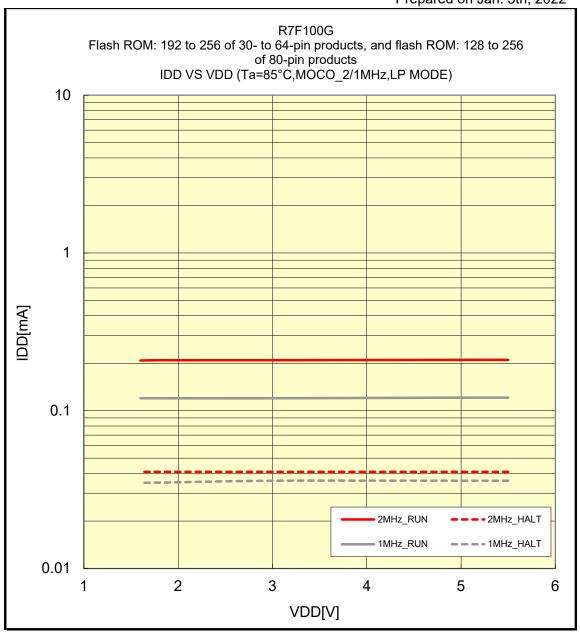# IDD VS VDD(85°C/MOCO_2/1MHz/LP MODE)

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=85°C,MOCO_2/1MHz,LP 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.

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
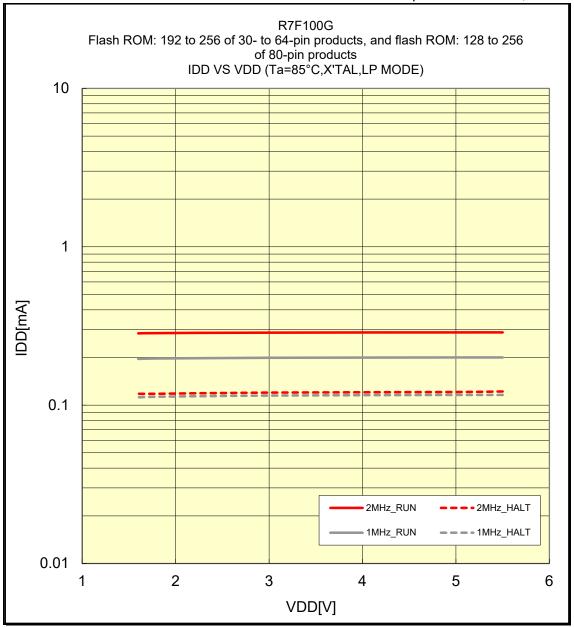**and flash ROM: 128 to 256 of 80-pin products**
IDD VS VDD(85°C/X'TAL/LP MODE)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=85°C,X'TAL,LP MODE)

Legend:
- 2MHz_RUN (red solid)
- 2MHz_HALT (red dashed)
- 1MHz_RUN (gray solid)
- 1MHz_HALT (gray dashed)

Axes: IDD[mA] (vertical, 0.01 to 10), VDD[V] (horizontal, 1 to 6)

Remark 1MHz：4MHz / 4 (MOSCDIV = 02H)
      2MHz：4MHz / 2 (MOSCDIV = 01H)

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

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
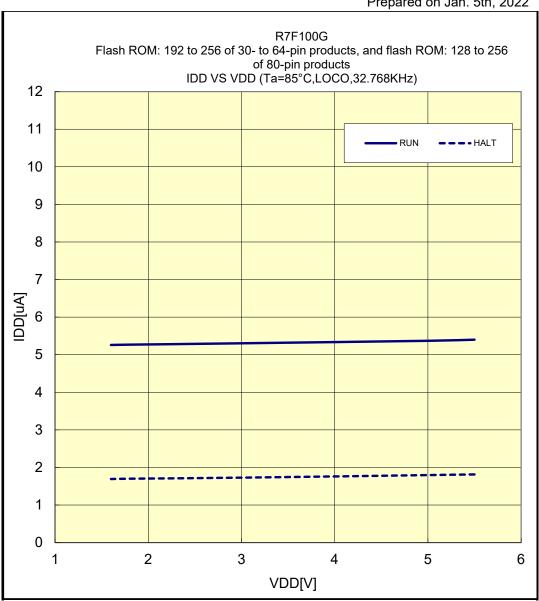# IDD VS VDD(85°C/LOCO/32.768KHz)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=85°C,LOCO,32.768KHz)

RUN ----- HALT

IDD[uA]

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.

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
IDD VS VDD(85°C/sub_clock/32.768KHz)

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=85°C,sub_clock,32.768KHz)

Legend:
- RUN(Normal oscillation)
- HALT(Normal oscillation)
- RUN(Low power consumption oscillation 1)
- HALT(Low power consumption oscillation 1)
- RUN(Low power consumption oscillation 2)
- HALT(Low power consumption oscillation 2)
- RUN(Low power consumption oscillation 3)
- HALT(Low power consumption oscillation 3)

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

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
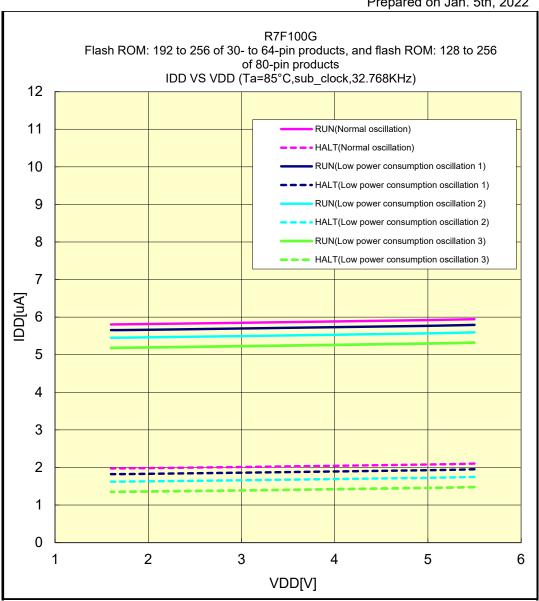**and flash ROM: 128 to 256 of 80-pin products**
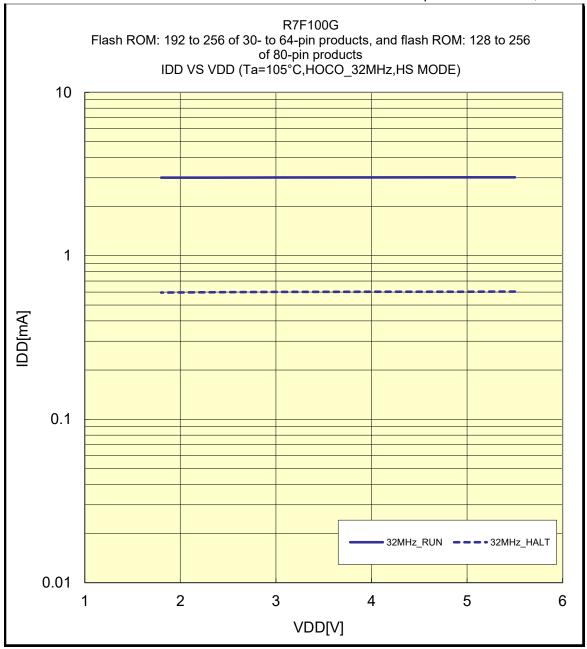# IDD VS VDD(105°C/HOCO_32MHz/HS MODE)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=105°C,HOCO_32MHz,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.

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
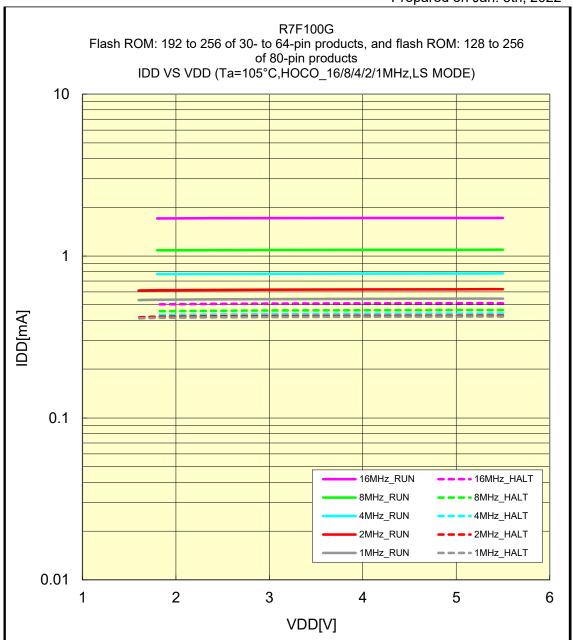## IDD VS VDD(105°C/HOCO_16/8/4/2/1MHz/LS MODE)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=105°C,HOCO_16/8/4/2/1MHz,LS MODE)

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

Axis: 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.

R7F100G
**Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products**
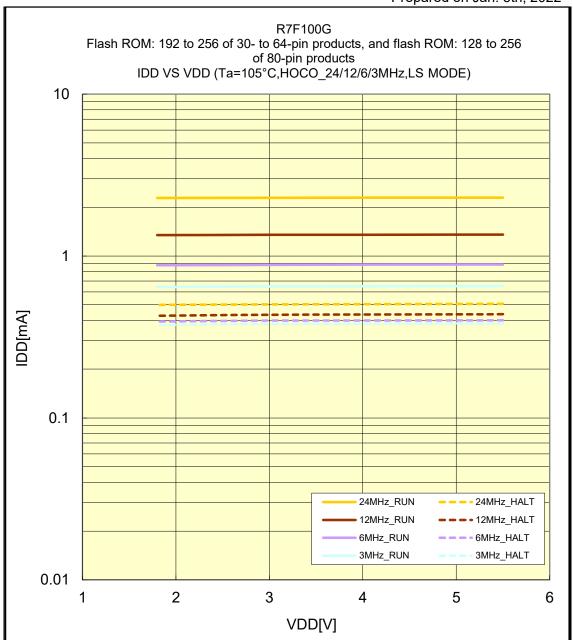# IDD VS VDD(105°C/HOCO_24/12/6/3MHz/LS MODE)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=105°C,HOCO_24/12/6/3MHz,LS MODE)

Y-axis: IDD[mA] (10, 1, 0.1, 0.01)
X-axis: VDD[V] (1, 2, 3, 4, 5, 6)

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

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
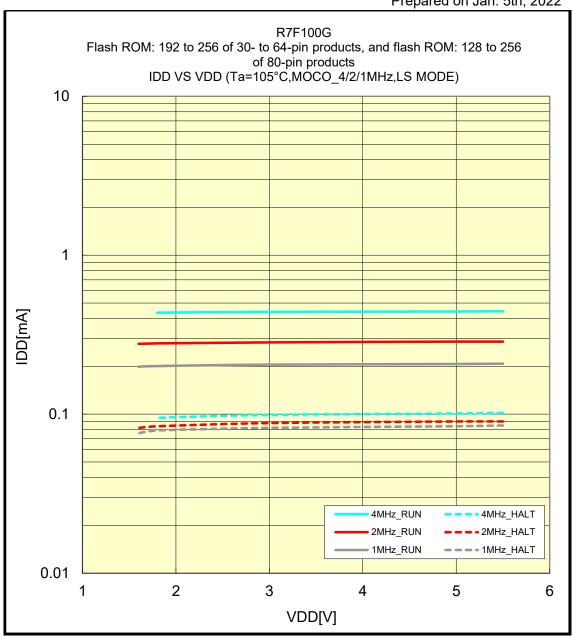# IDD VS VDD(105°C/MOCO_4/2/1MHz/LS MODE)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=105°C,MOCO_4/2/1MHz,LS MODE)

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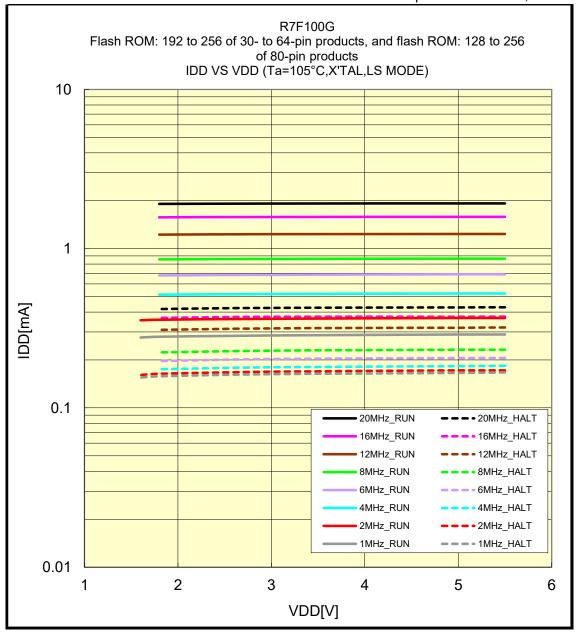- 4MHz_HALT
- 2MHz_RUN
- 2MHz_HALT
- 1MHz_RUN
- 1MHz_HALT

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.

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
IDD VS VDD(105°C/X'TAL/LS MODE)

R7F100G
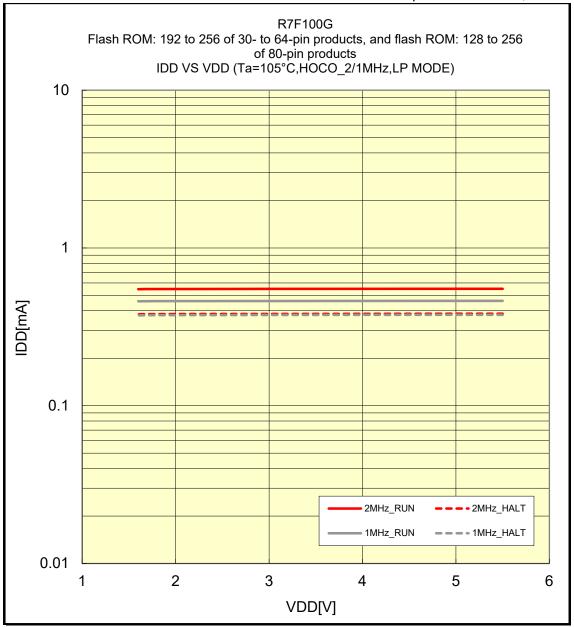Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=105°C,X'TAL,LS MODE)

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

Remark 1MHz：4MHz / 4 (MOSCDIV = 02H)
        2MHz：4MHz / 2 (MOSCDIV = 01H)

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

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
IDD VS VDD(105°C/HOCO_2/1MHz/LP MODE)

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=105°C,HOCO_2/1MHz,LP MODE)

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

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

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

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
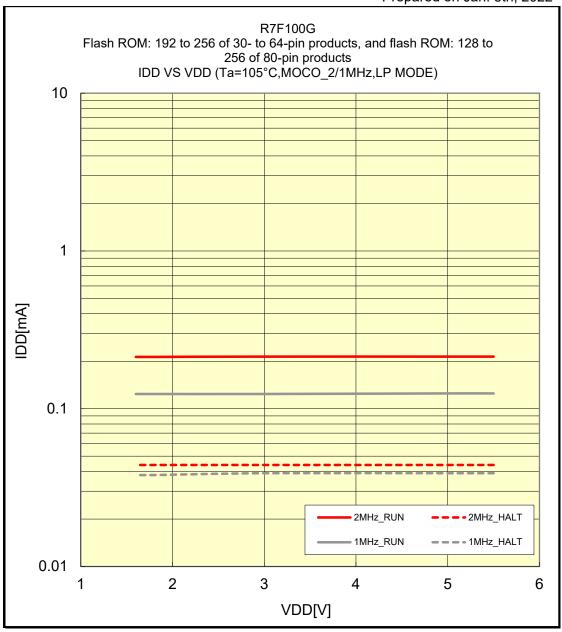# IDD VS VDD(105°C/MOCO_2/1MHz/LP MODE)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to
256 of 80-pin products
IDD VS VDD (Ta=105°C,MOCO_2/1MHz,LP MODE)

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

Axis: 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.

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
IDD VS VDD(105°C/X'TAL/LP MODE)

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (Ta=105°C,X'TAL,LP MODE)

Remark 1MHz：4MHz / 4 (MOSCDIV = 02H)
          2MHz：4MHz / 2 (MOSCDIV = 01H)

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

R7F100G

Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
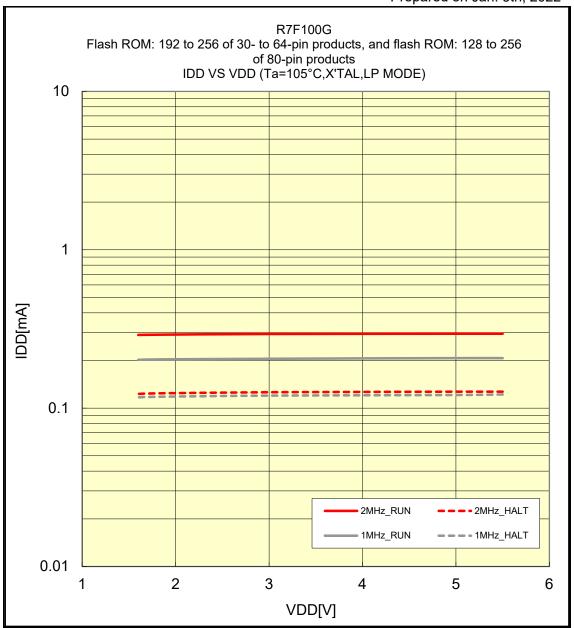
IDD VS VDD(105°C/LOCO/32.768KHz)
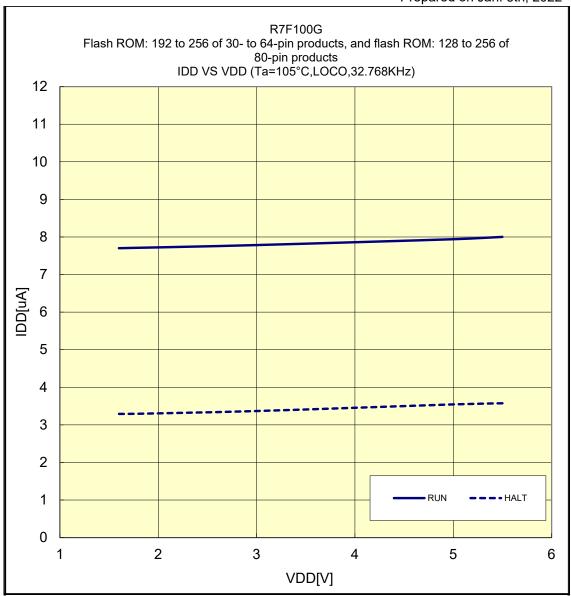
Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256 of
80-pin products
IDD VS VDD (Ta=105°C,LOCO,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.

R7F100G

Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
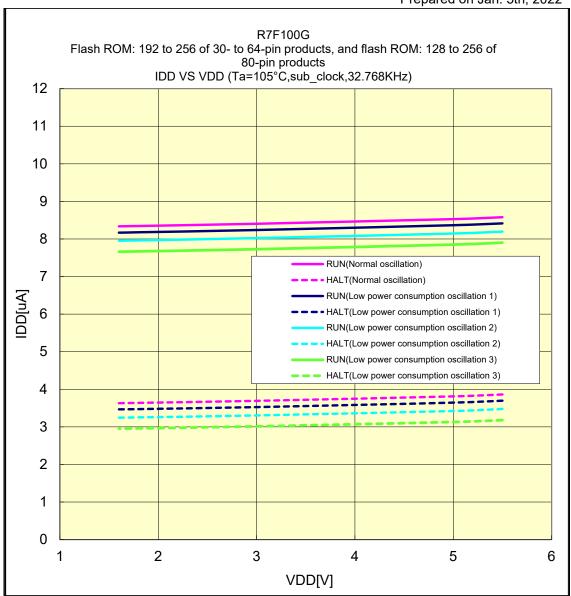
IDD VS VDD(105°C/sub_clock/32.768KHz)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256 of
80-pin products
IDD VS VDD (Ta=105°C,sub_clock,32.768KHz)

Legend:
- RUN(Normal oscillation)
- HALT(Normal oscillation)
- RUN(Low power consumption oscillation 1)
- HALT(Low power consumption oscillation 1)
- RUN(Low power consumption oscillation 2)
- HALT(Low power consumption oscillation 2)
- RUN(Low power consumption oscillation 3)
- HALT(Low power consumption oscillation 3)

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.

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
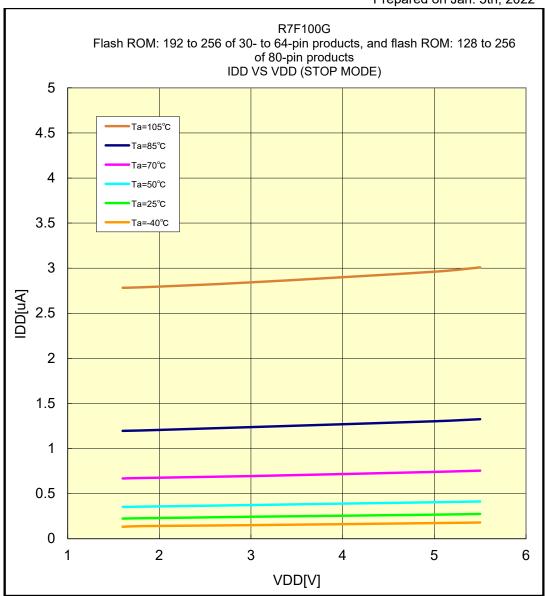**and flash ROM: 128 to 256 of 80-pin products**
IDD VS VDD(STOP MODE)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256
of 80-pin products
IDD VS VDD (STOP MODE)

- Ta=105℃
- Ta=85℃
- Ta=70℃
- Ta=50℃
- Ta=25℃
- Ta=-40℃

IDD[uA]

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.

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products,
and flash ROM: 128 to 256 of 80-pin products
IDD VS Ta(STOP MODE)

Prepared on Jan. 5th, 2022

R7F100G
Flash ROM: 192 to 256 of 30- to 64-pin products, and flash ROM: 128 to 256 of 80-pin products
IDD VS Ta (STOP MODE)

VDD=5V
VDD=3V
VDD=1.8V
VDD=1.6V

IDD[uA]

Ta[°C]

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