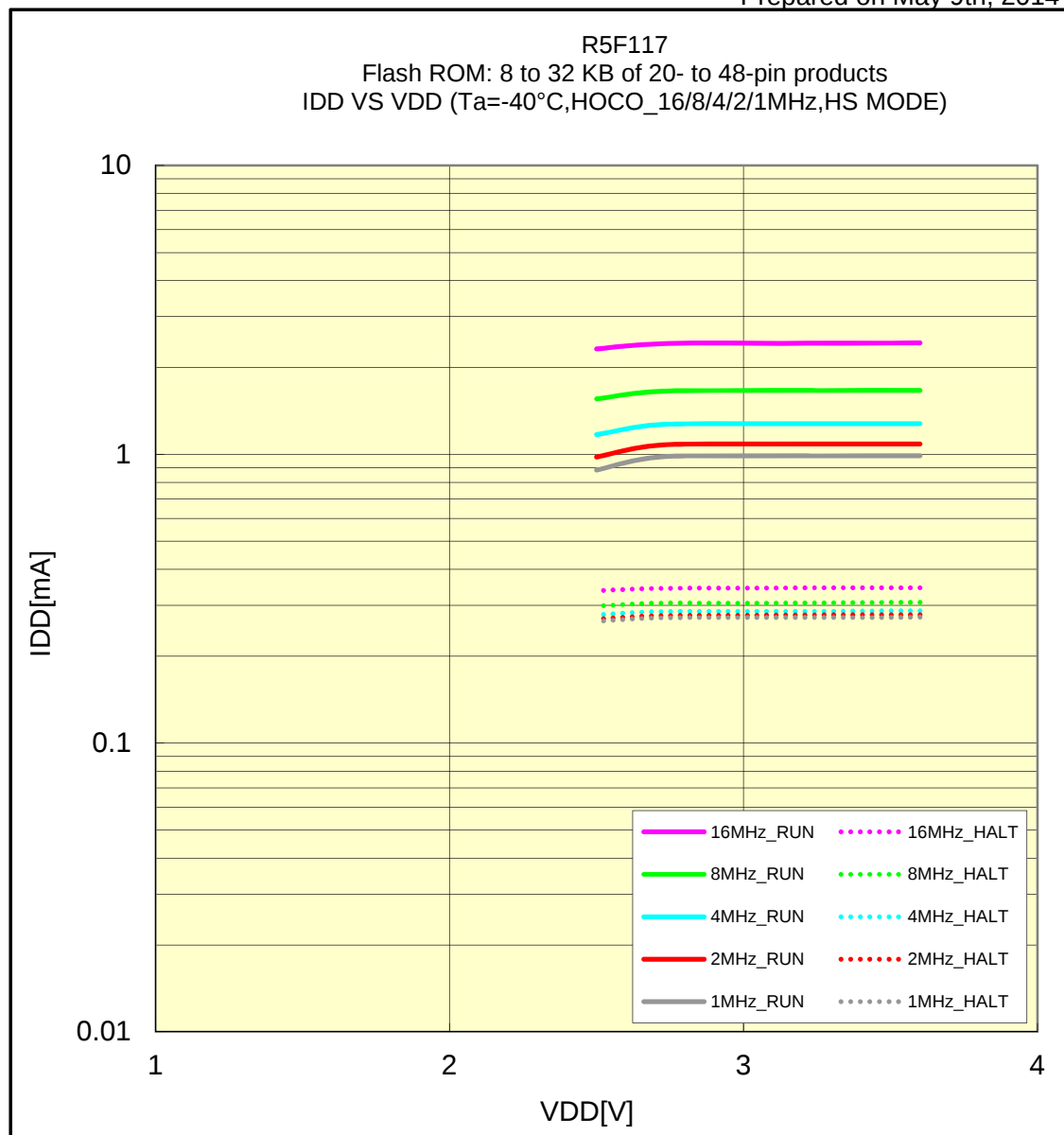


R5F117**Flash ROM: 8 to 32 KB of 20- to 48-pin products****IDD VS VDD****(-40°C/HOCO_16/8/4/2/1MHz/HS MODE)**

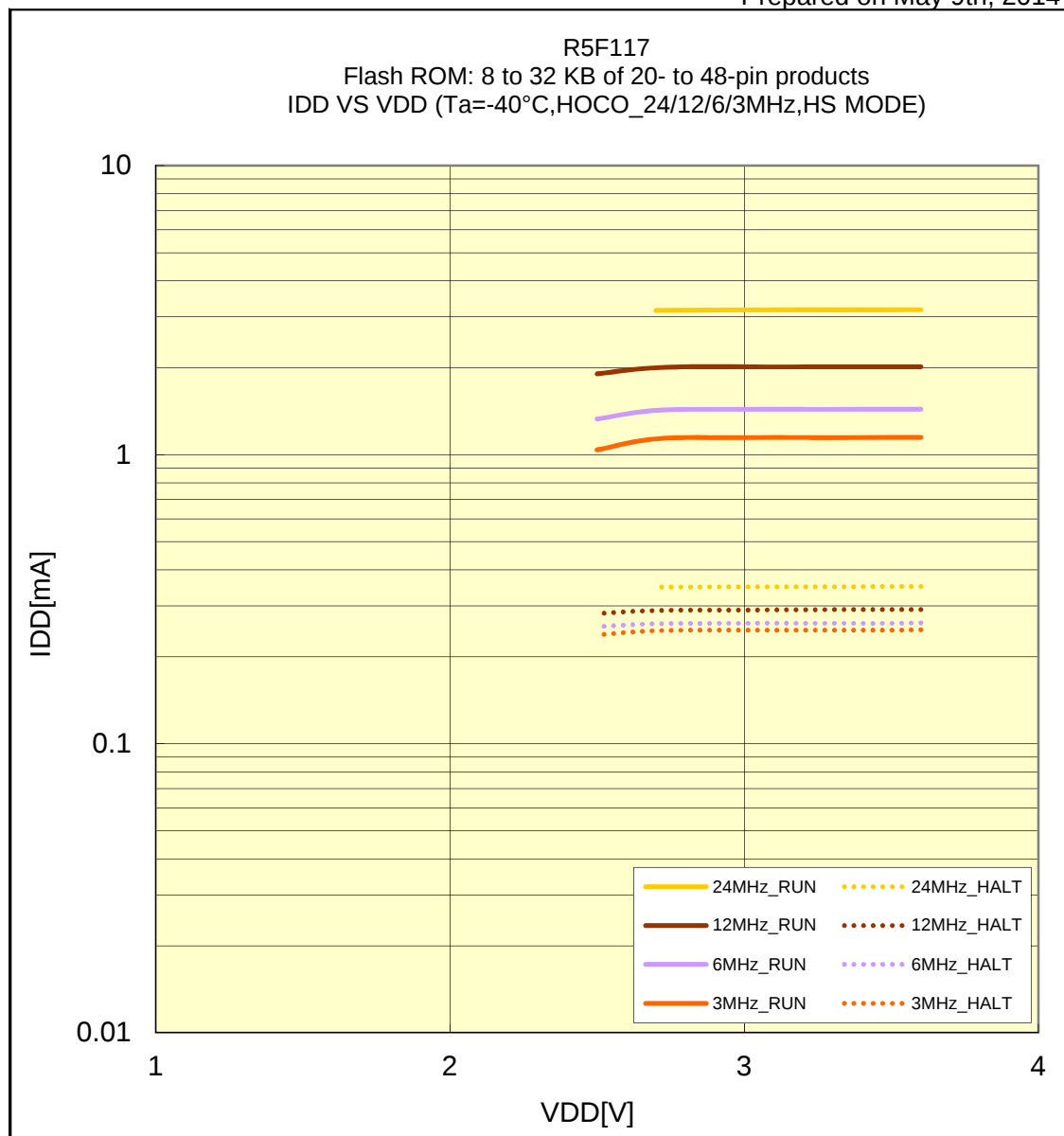
Prepared on May 9th, 2014



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

R5F117**Flash ROM: 8 to 32 KB of 20- to 48-pin products****IDD VS VDD****(-40°C/HOCO_24/12/6/3MHz/HS MODE)**

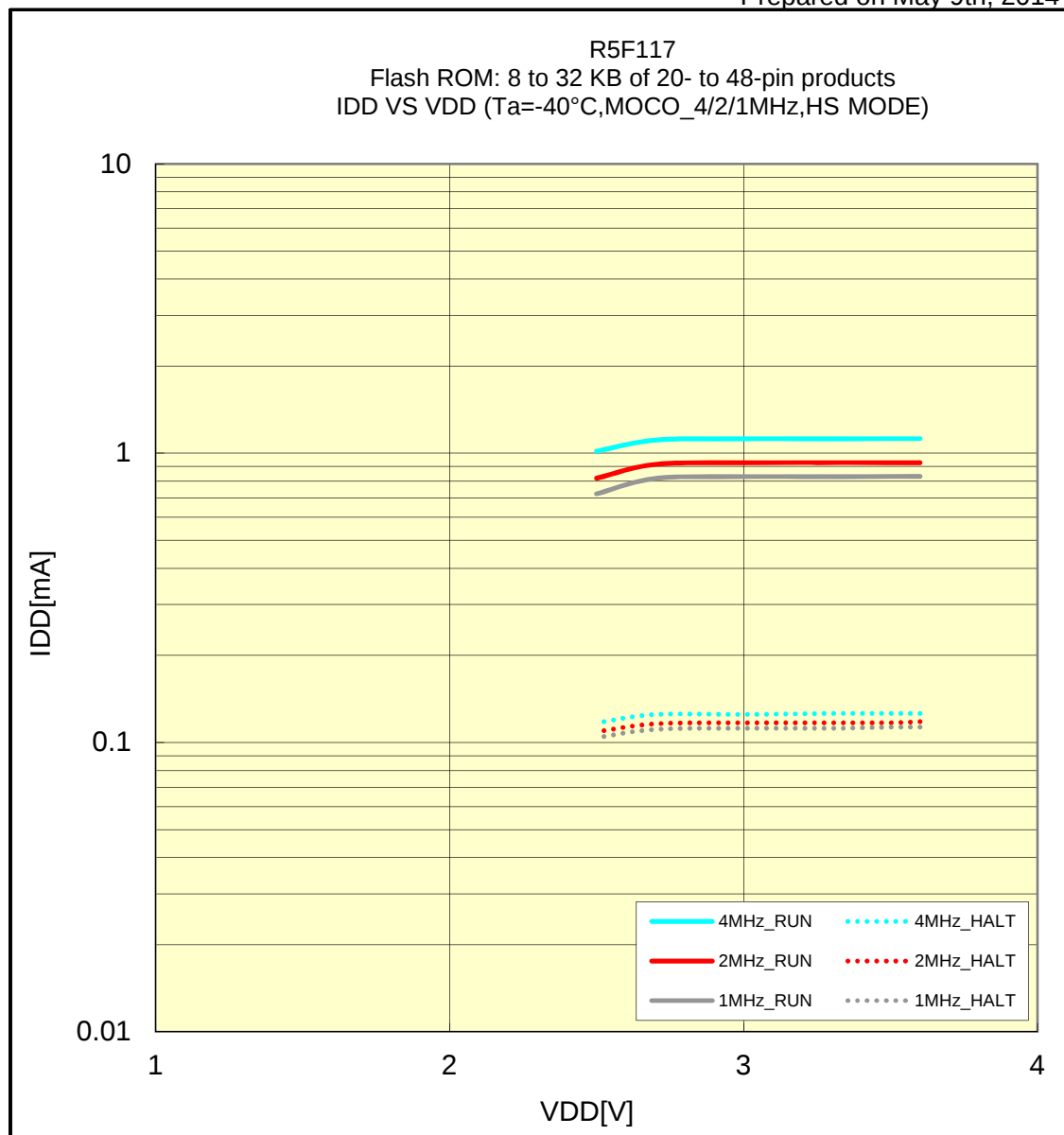
Prepared on May 9th, 2014



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

R5F117**Flash ROM: 8 to 32 KB of 20- to 48-pin products****IDD VS VDD****(-40°C/MOCO_4/2/1MHz/HS MODE)**

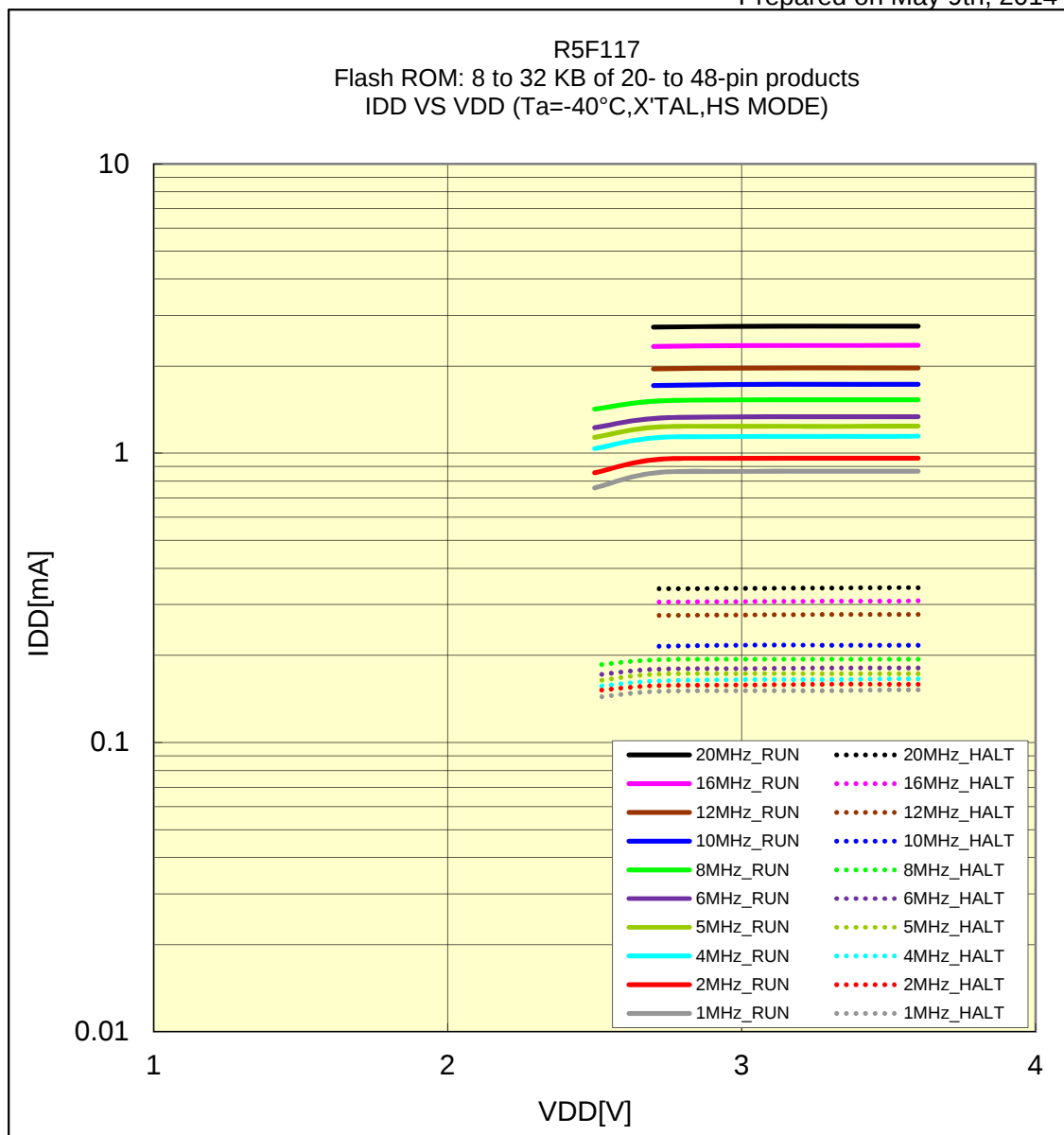
Prepared on May 9th, 2014



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

R5F117**Flash ROM: 8 to 32 KB of 20- to 48-pin products****IDD VS VDD****(-40°C/X'TAL/HS MODE)**

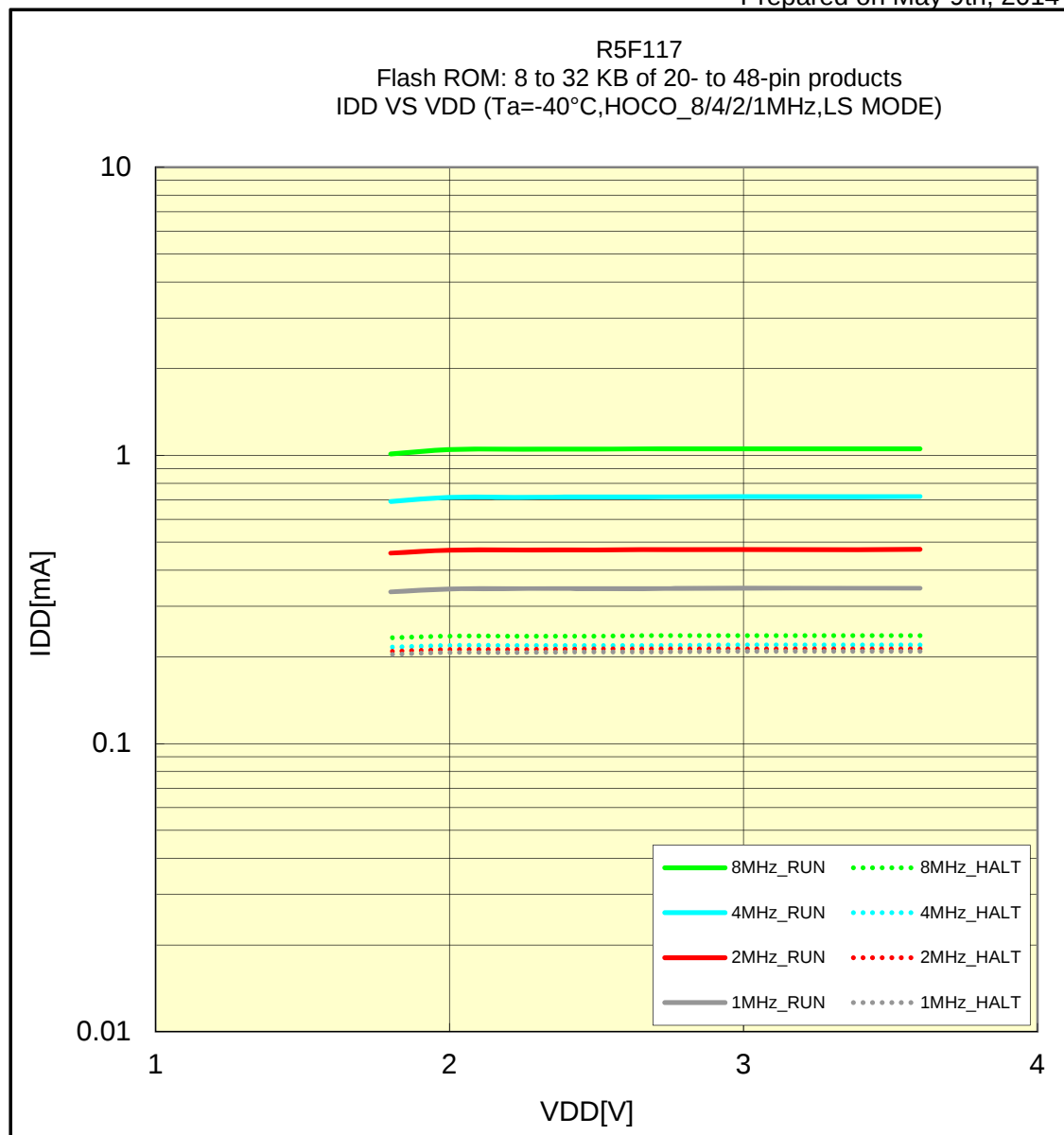
Prepared on May 9th, 2014



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

R5F117**Flash ROM: 8 to 32 KB of 20- to 48-pin products****IDD VS VDD****(-40°C/HOCO_8/4/2/1MHz/LS MODE (MCSEL=0))**

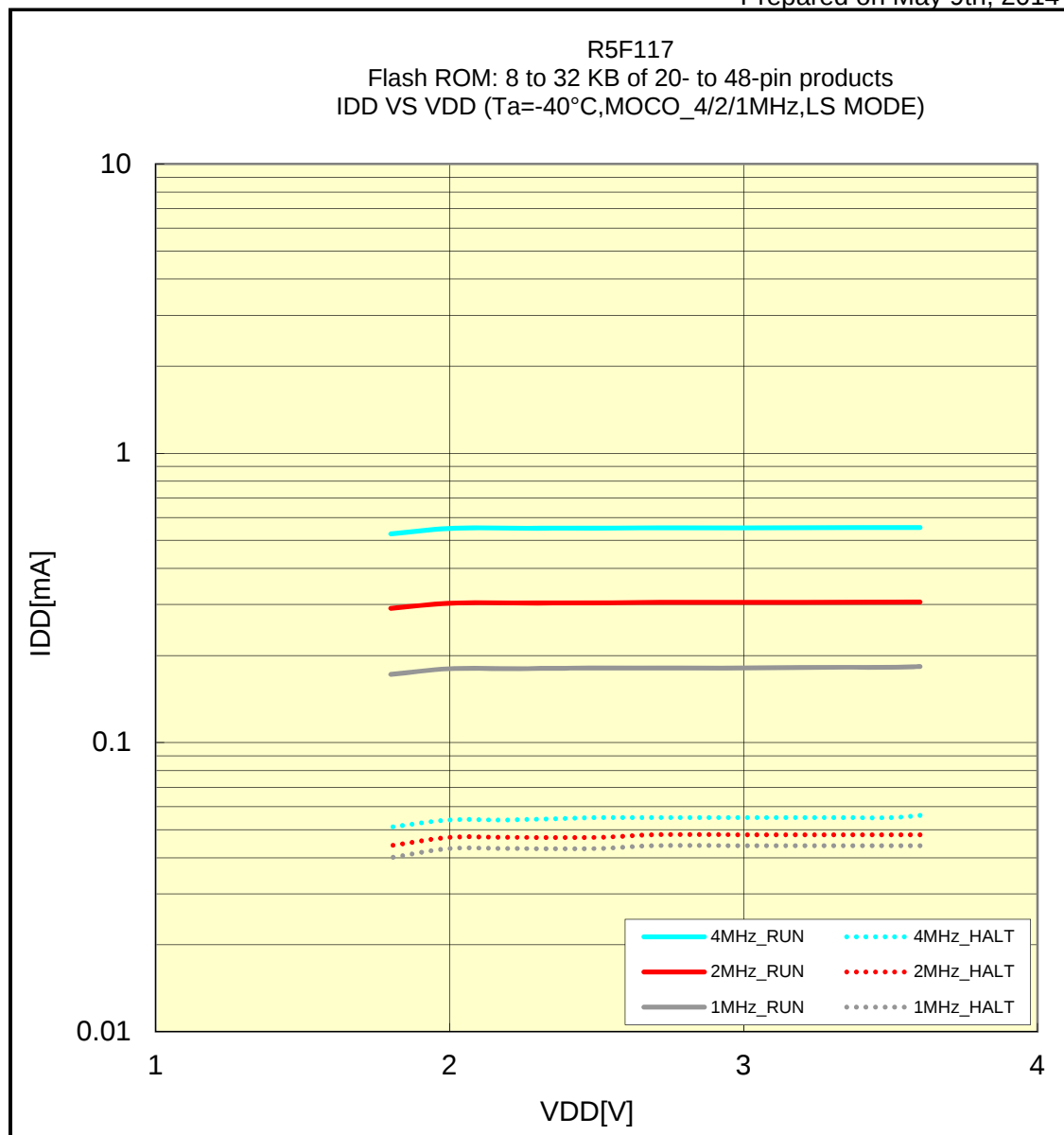
Prepared on May 9th, 2014



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

R5F117**Flash ROM: 8 to 32 KB of 20- to 48-pin products****IDD VS VDD****(-40°C/MOCO_4/2/1MHz/LS MODE (MCSEL=0))**

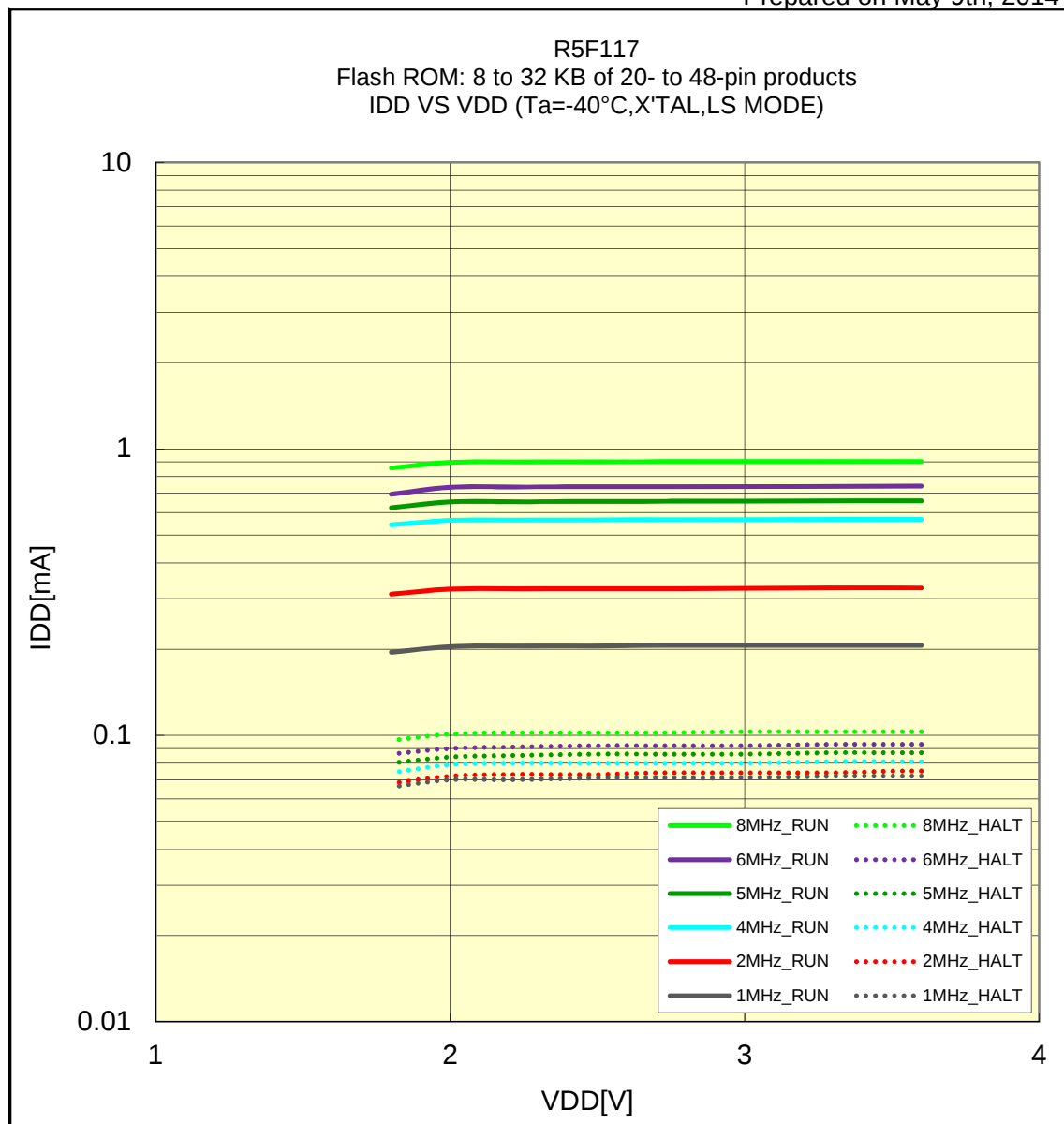
Prepared on May 9th, 2014



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

R5F117**Flash ROM: 8 to 32 KB of 20- to 48-pin products****IDD VS VDD****(-40°C/X'TAL/LS MODE (MCSEL=0))**

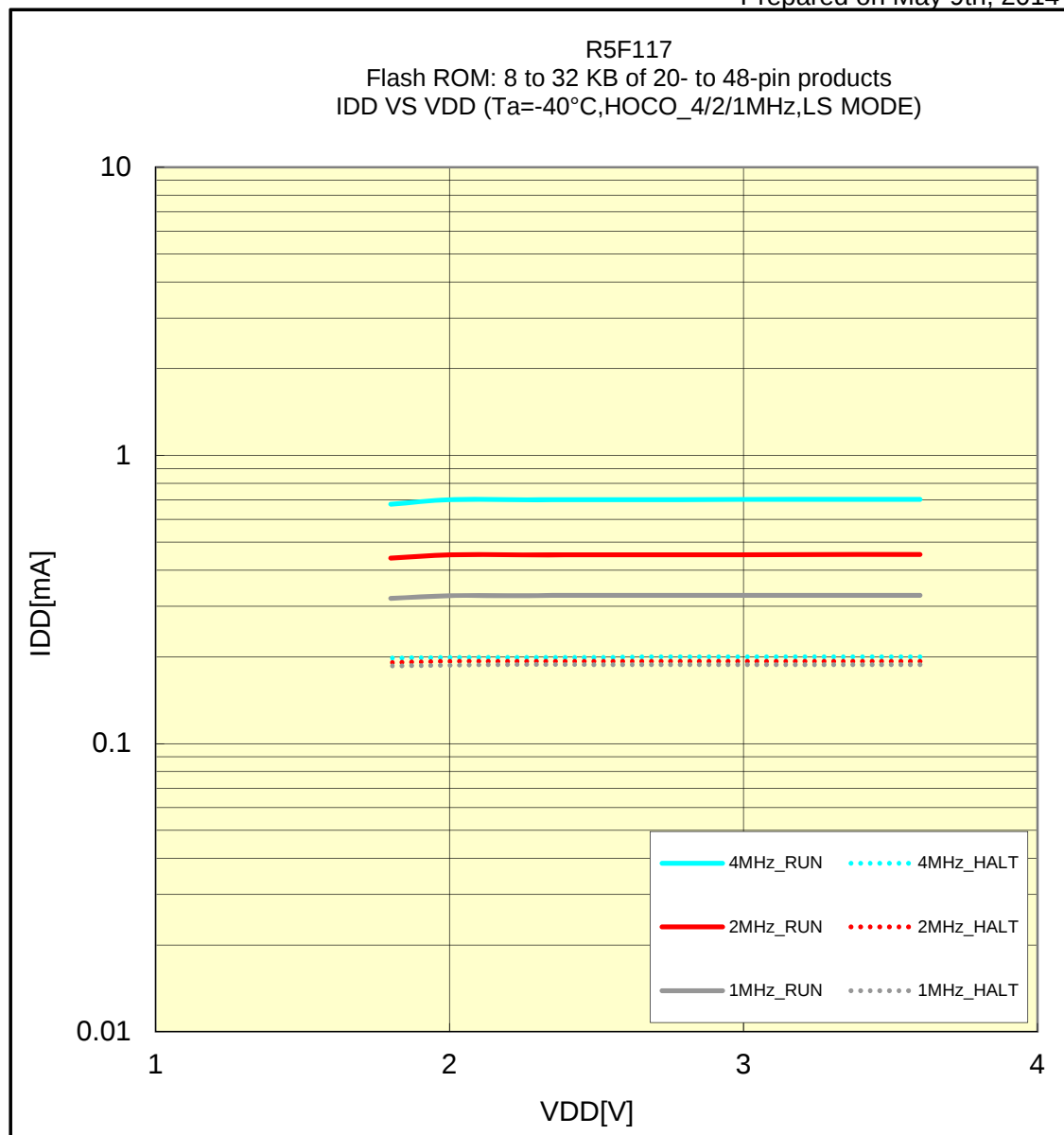
Prepared on May 9th, 2014



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

R5F117**Flash ROM: 8 to 32 KB of 20- to 48-pin products****IDD VS VDD****(-40°C/HOCO_4/2/1MHz/LS MODE (MCSELS=1))**

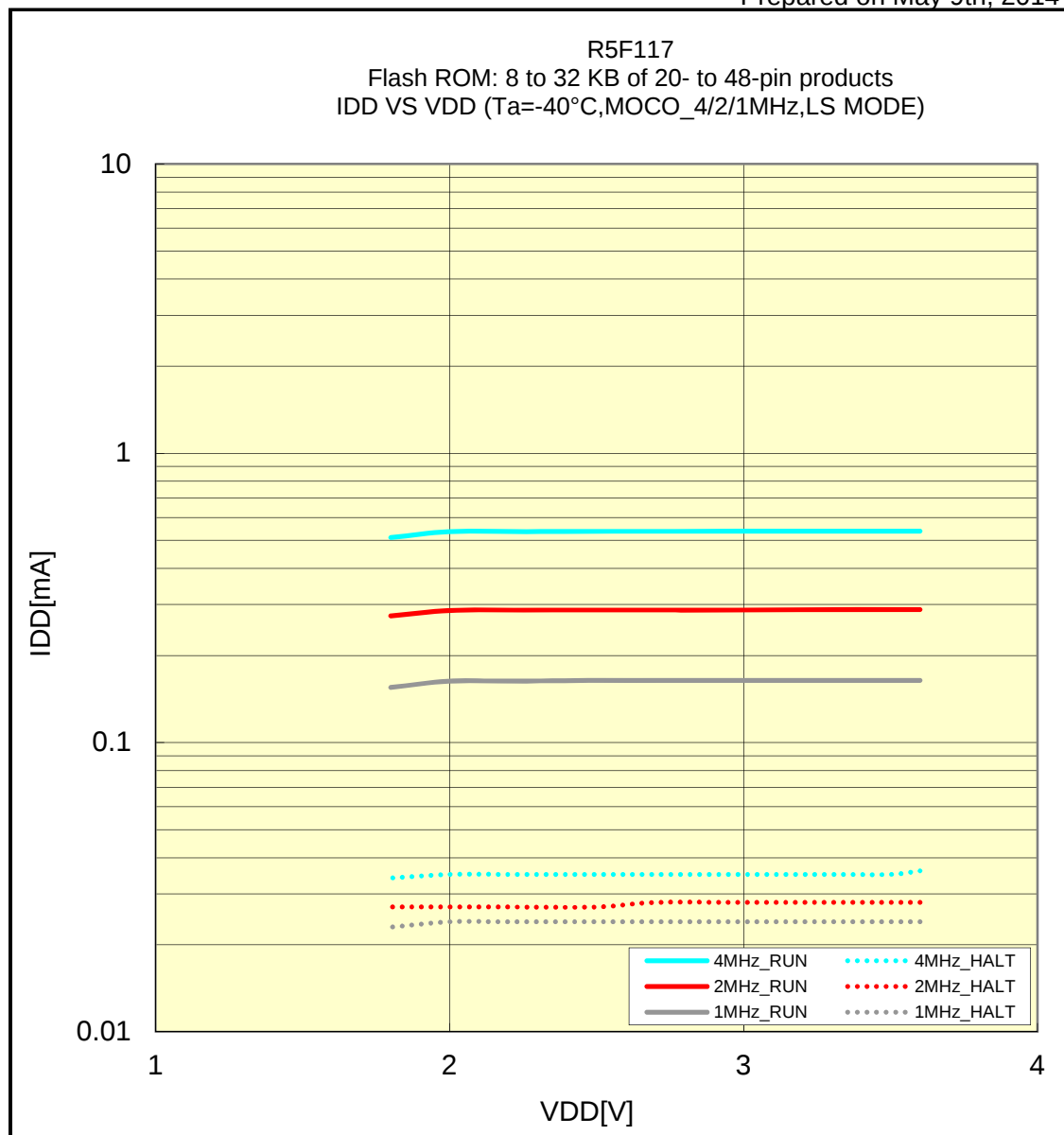
Prepared on May 9th, 2014



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

R5F117**Flash ROM: 8 to 32 KB of 20- to 48-pin products****IDD VS VDD****(-40°C/MOCO_4/2/1MHz/LS MODE (MCSEL=1))**

Prepared on May 9th, 2014

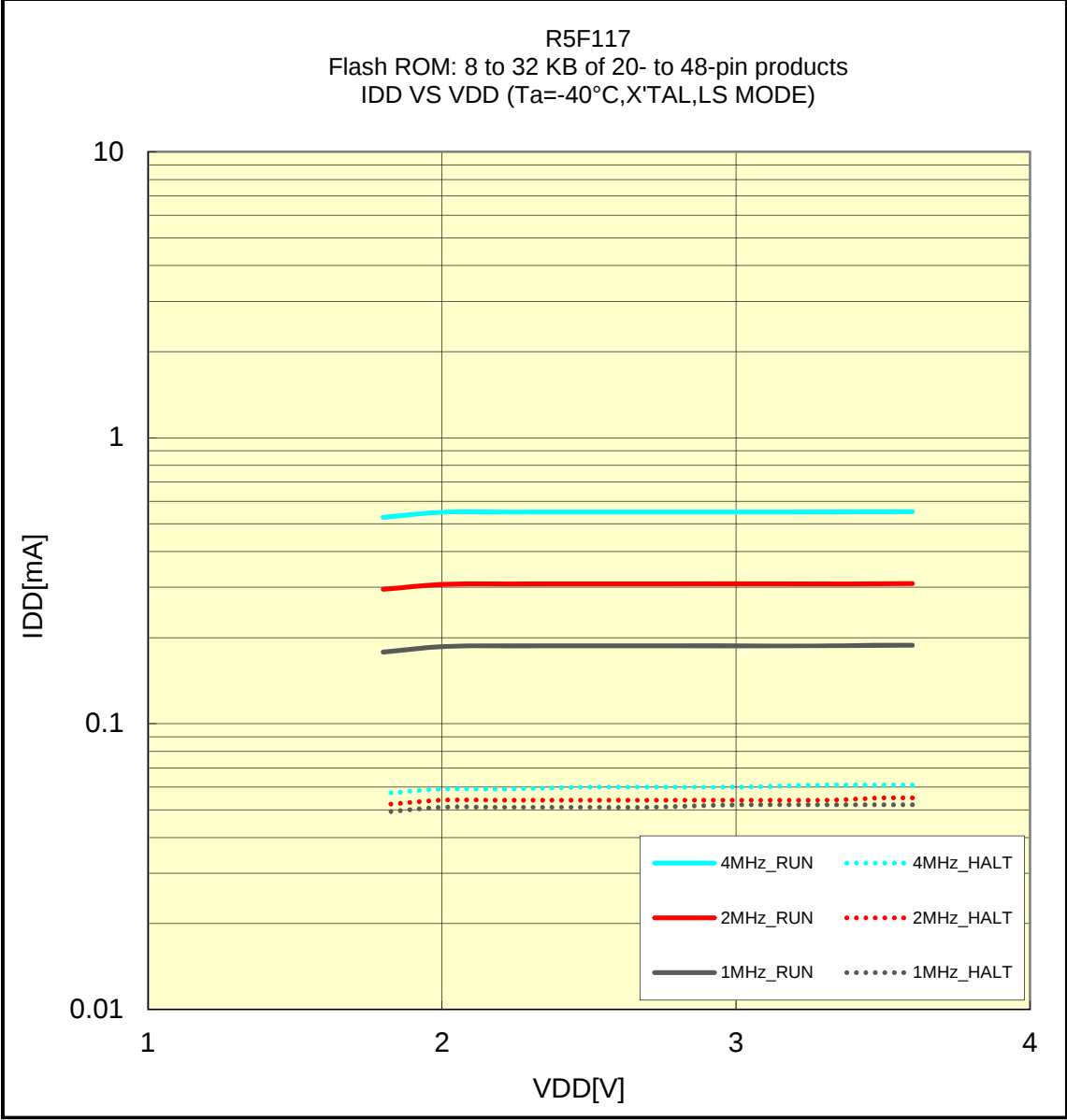


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(-40°C/X'TAL/LS MODE (MCSEL=1))

Prepared on May 9th, 2014

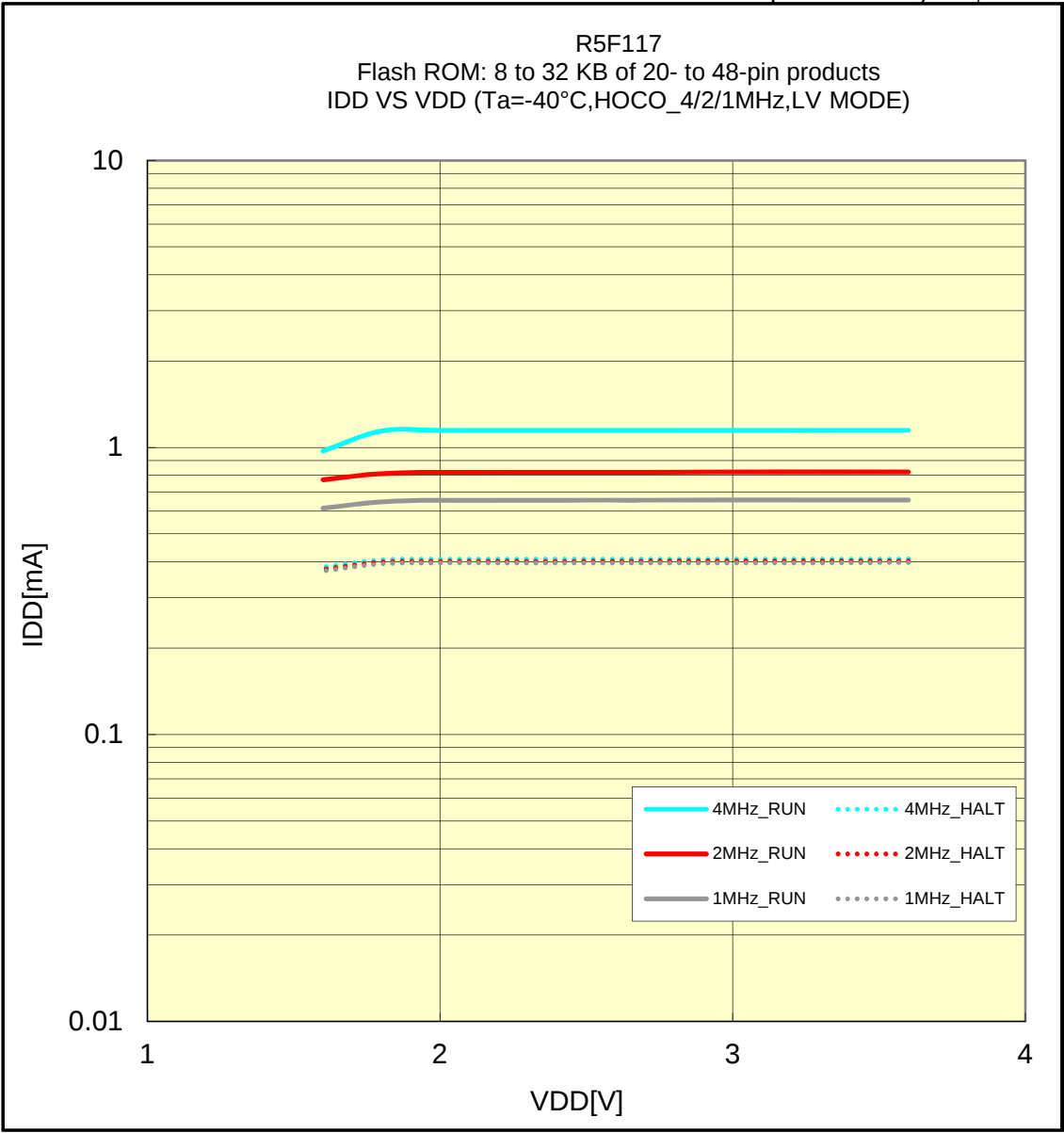


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

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

Prepared on May 9th, 2014

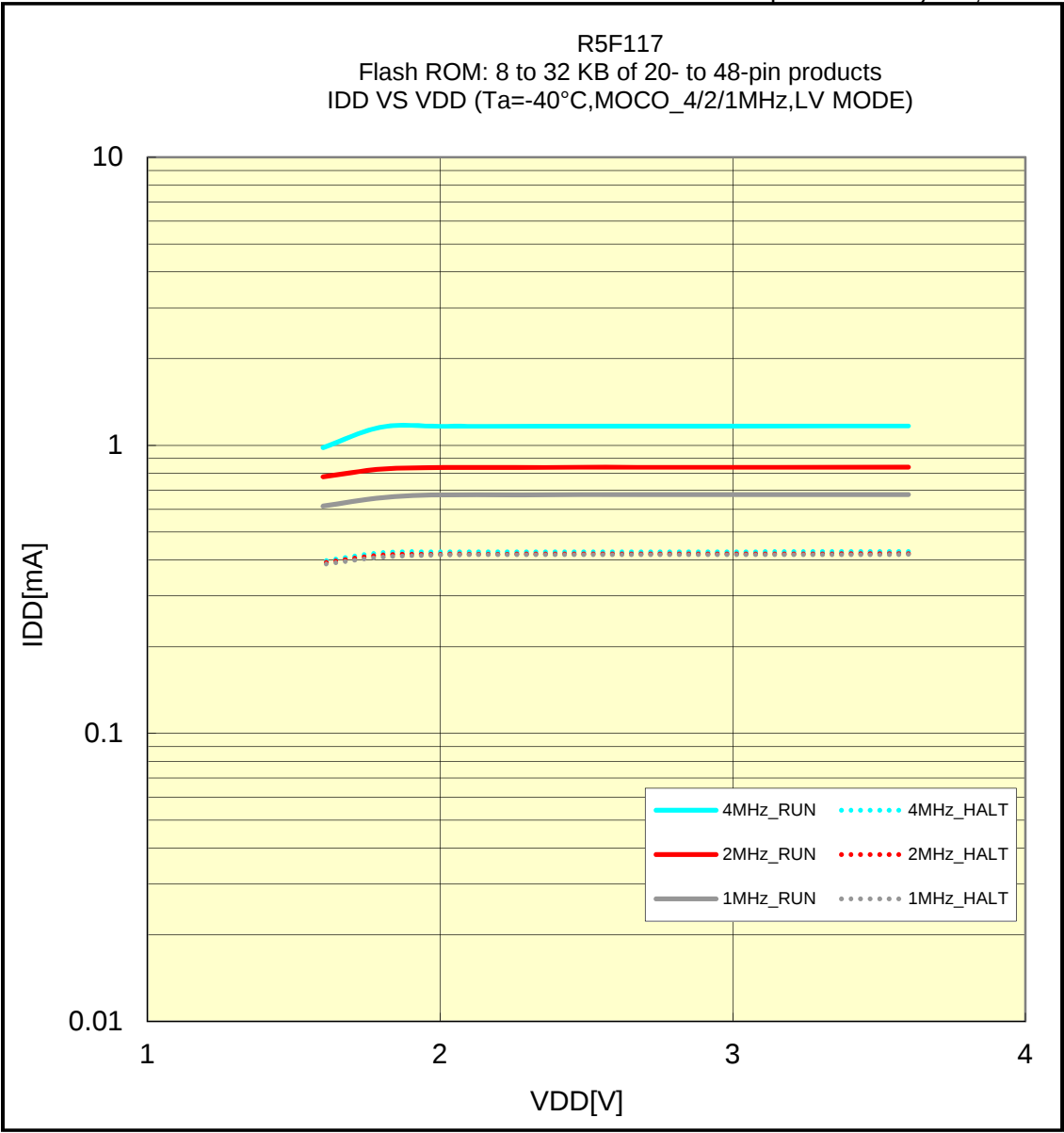


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(-40°C/MOCO_4/2/1MHz/LV MODE)

Prepared on May 9th, 2014

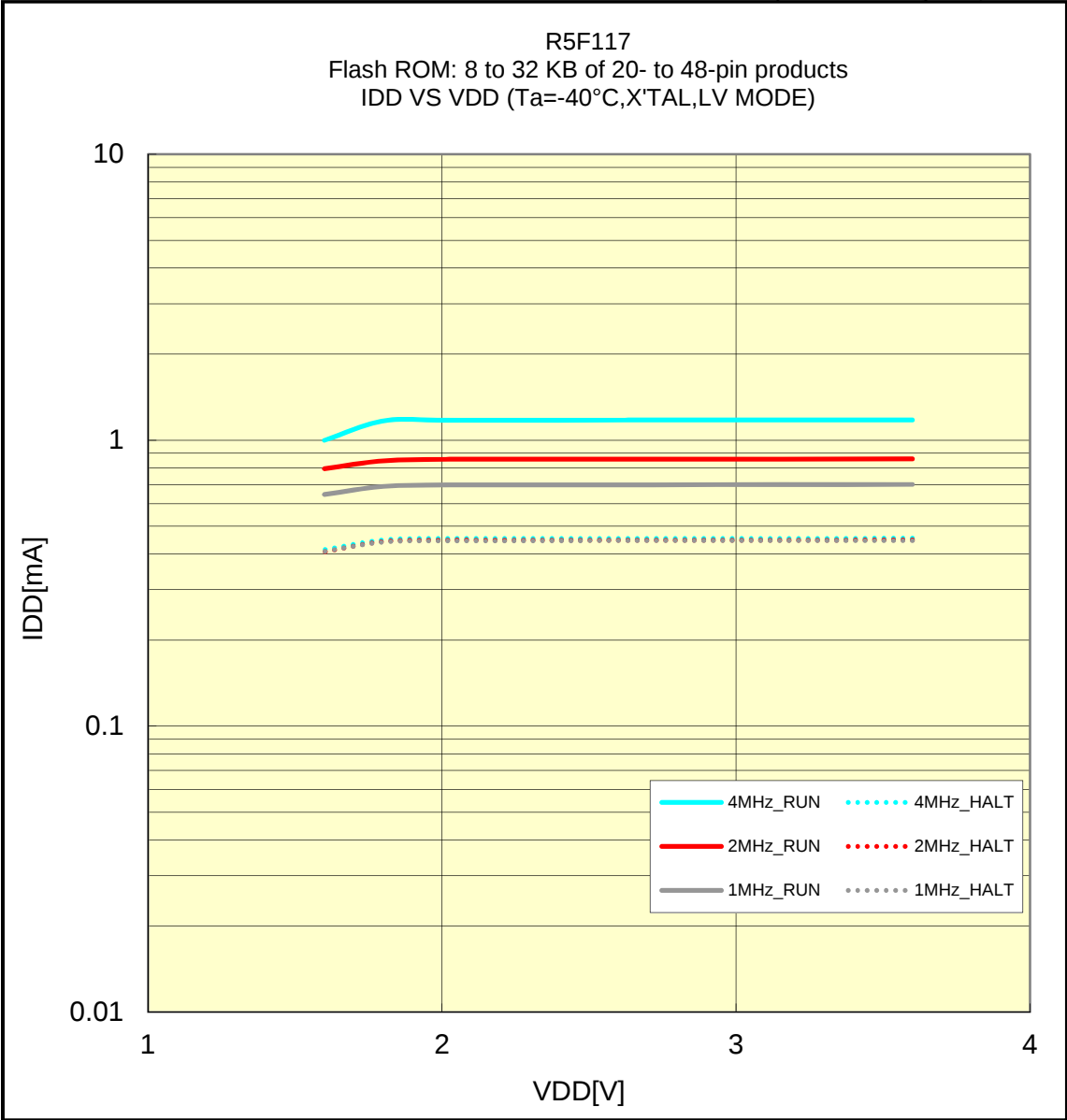


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(-40°C/X'TAL/LV MODE)

Prepared on May 9th, 2014

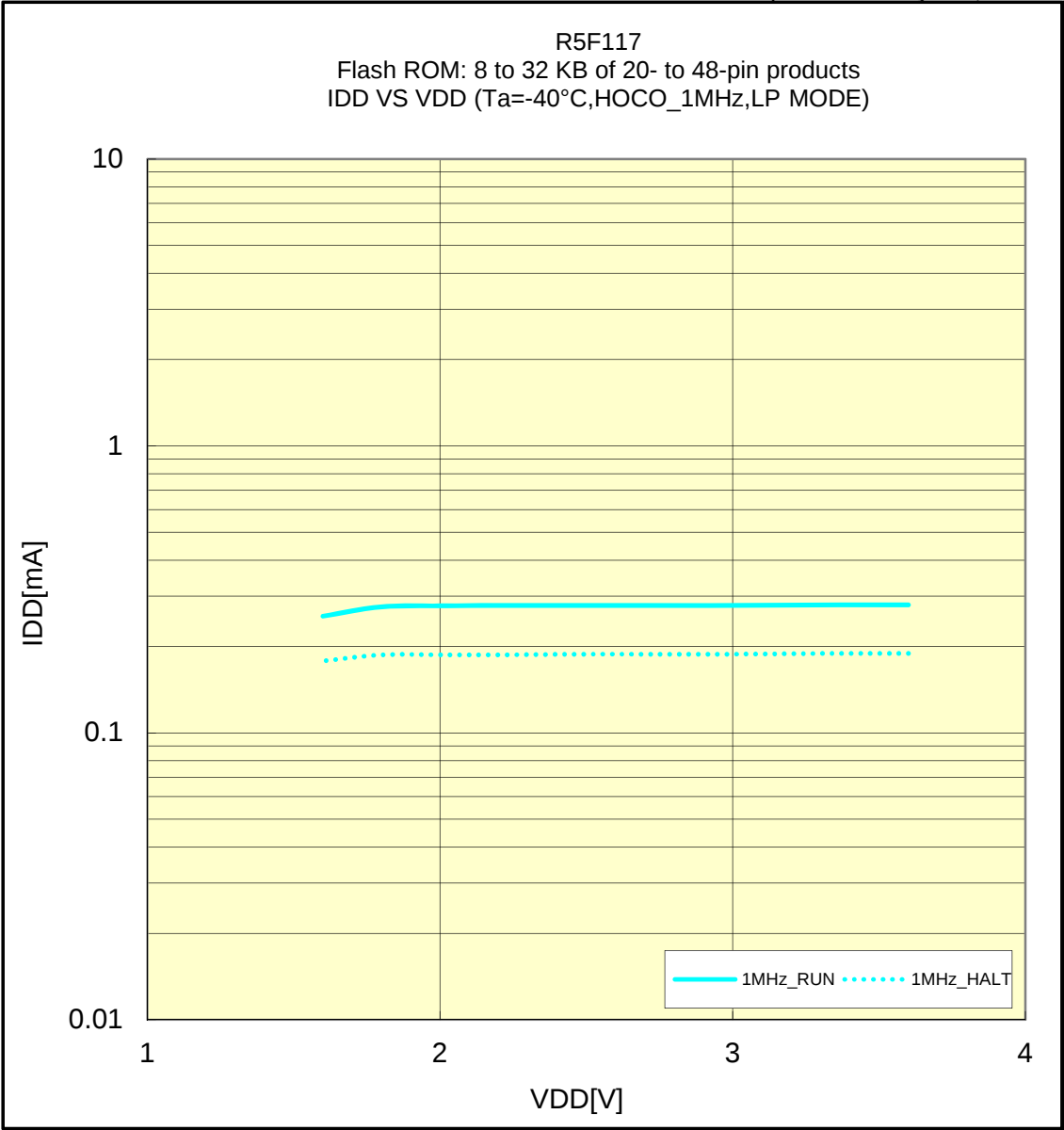


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(-40°C/HOCO_1MHz/LP MODE (MCSEL=1))

Prepared on May 9th, 2014

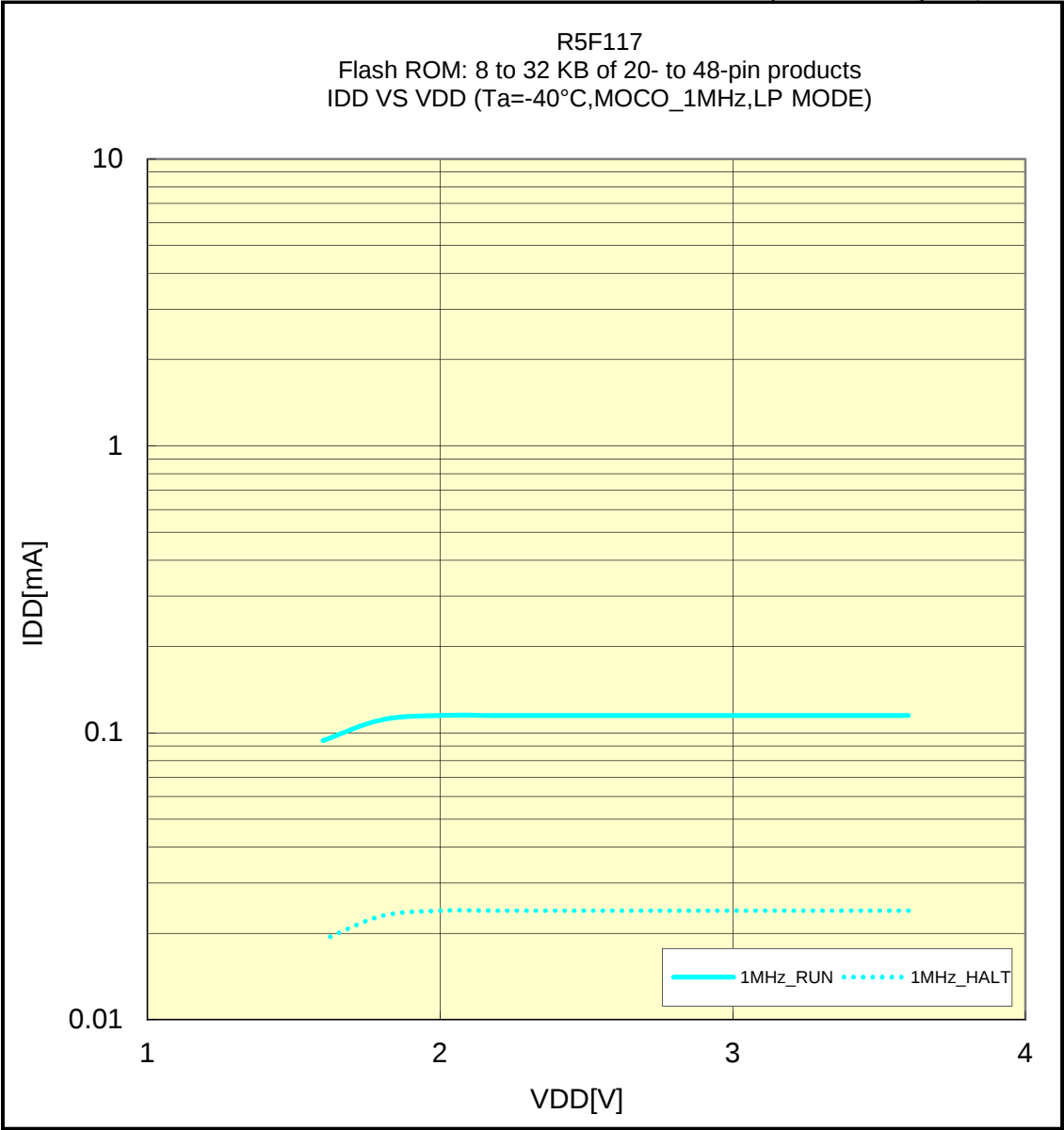


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(-40°C/MOCO_1MHz/LP MODE (MCSEL=1))

Prepared on May 9th, 2014

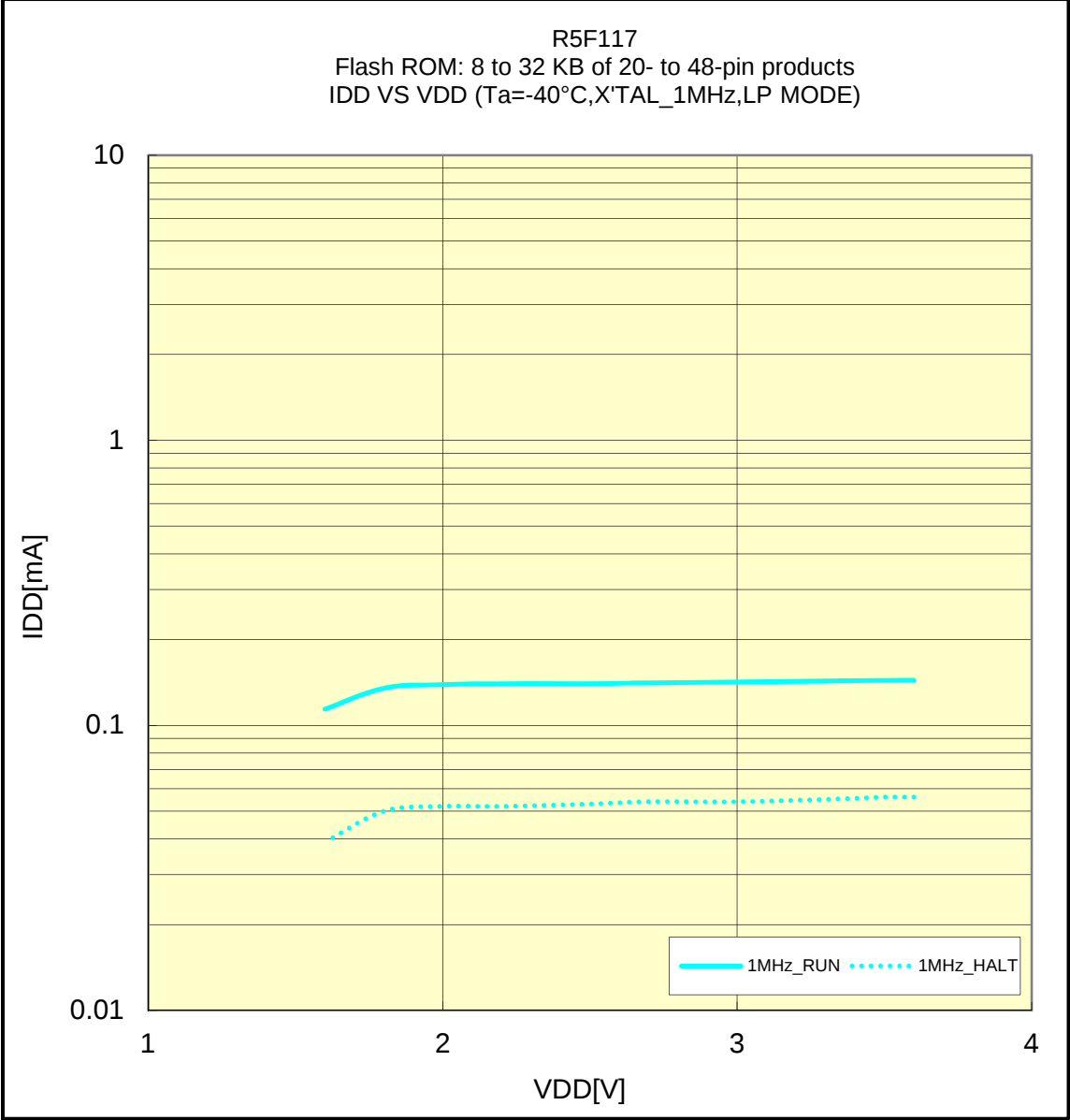


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(-40°C/X'TAL_1MHz/LP MODE (MCSEL=1))

Prepared on May 9th, 2014

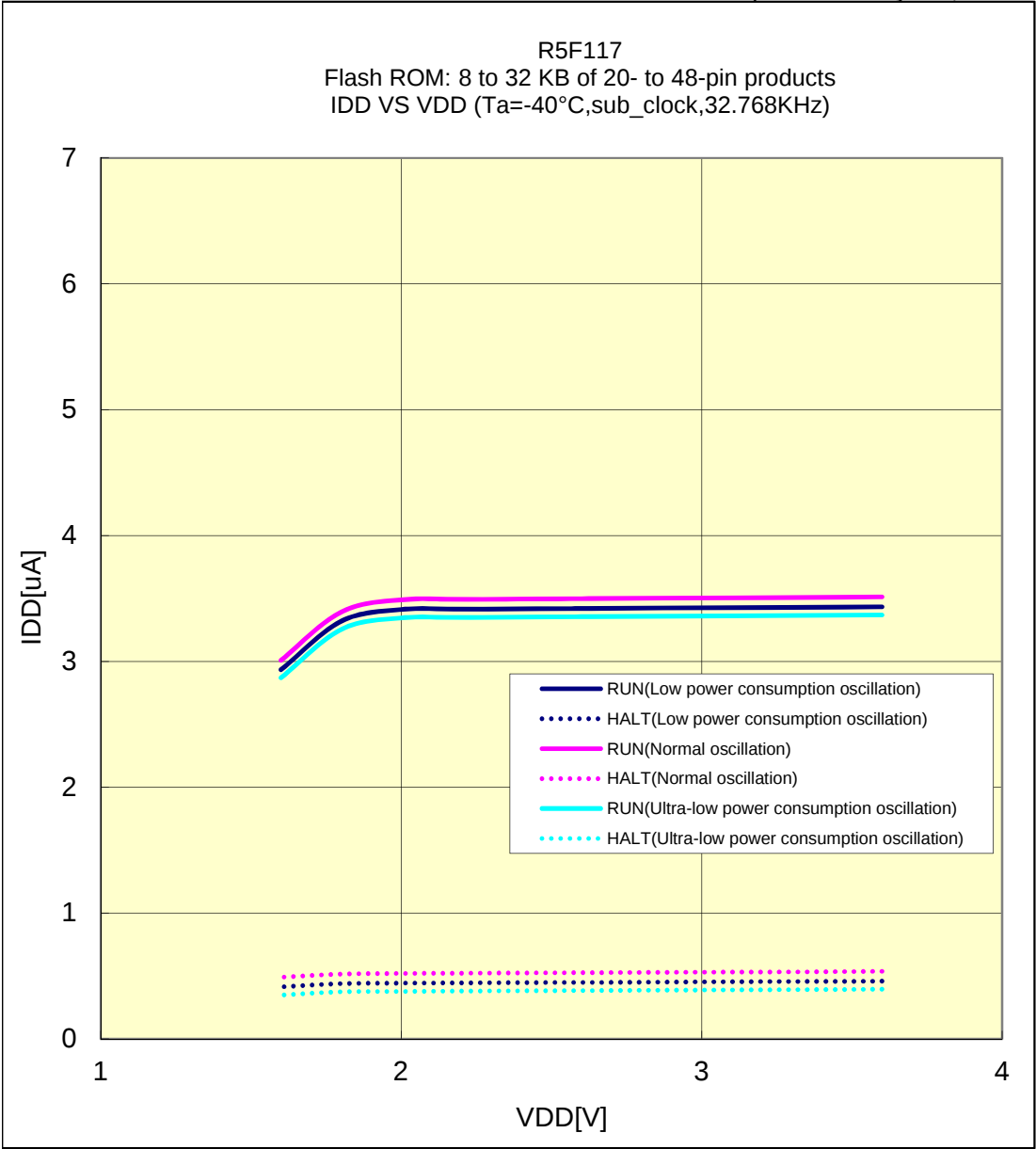


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(-40°C/sub_clock/32.768KHz)

Prepared on May 9th, 2014

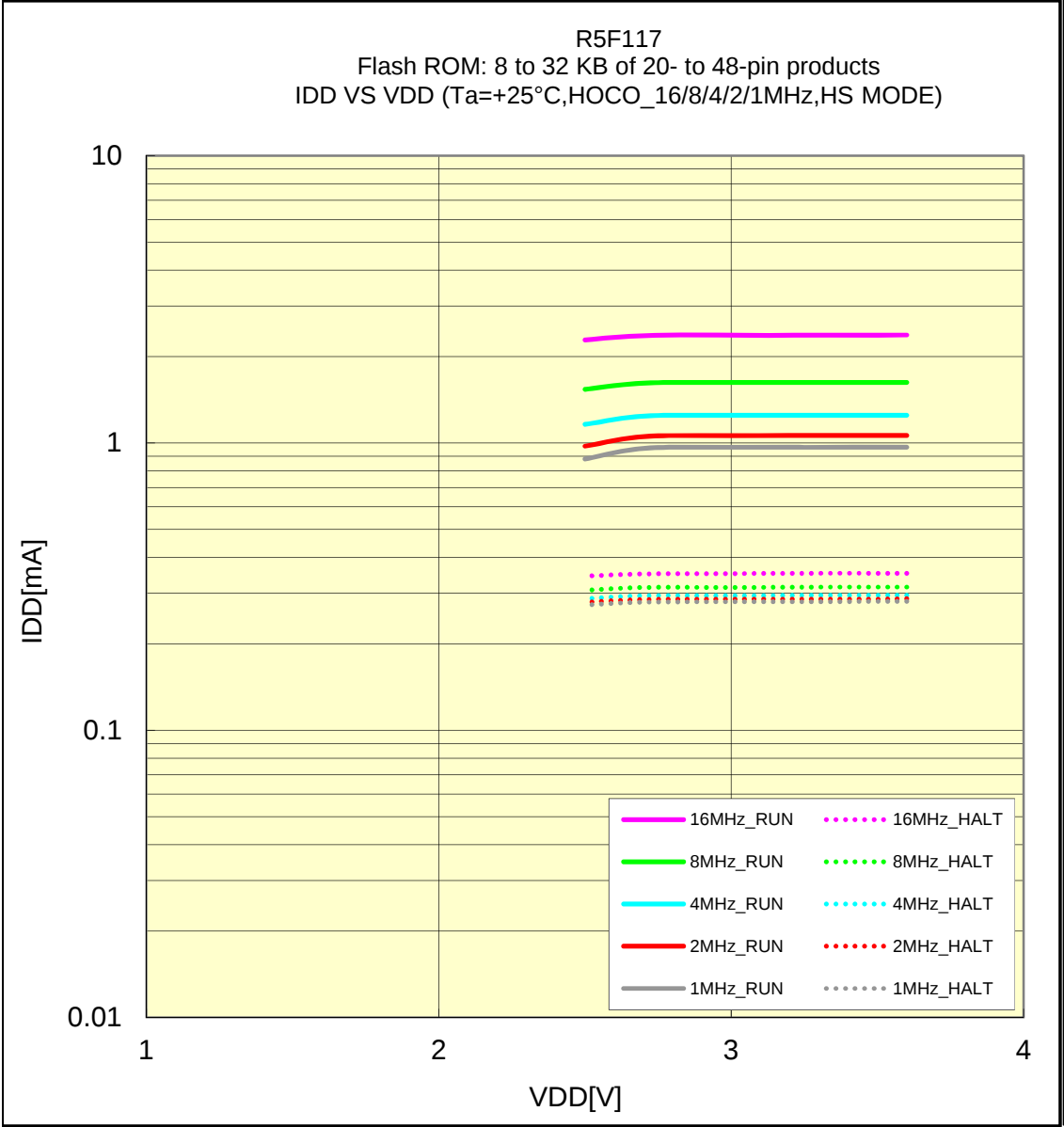


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+25°C/HOCO_16/8/4/2/1MHz/HS MODE)

Prepared on May 9th, 2014

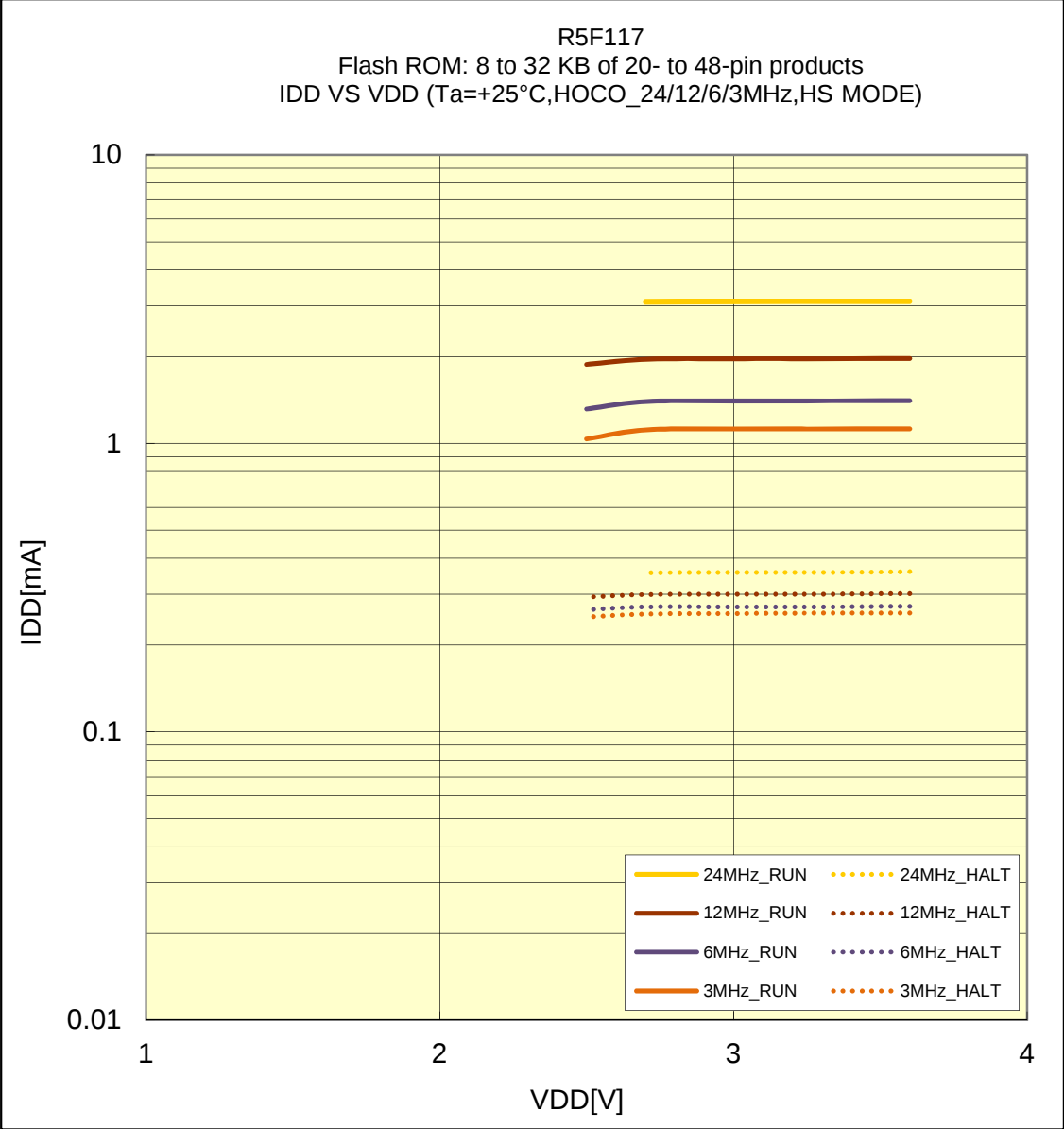


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

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

Prepared on May 9th, 2014

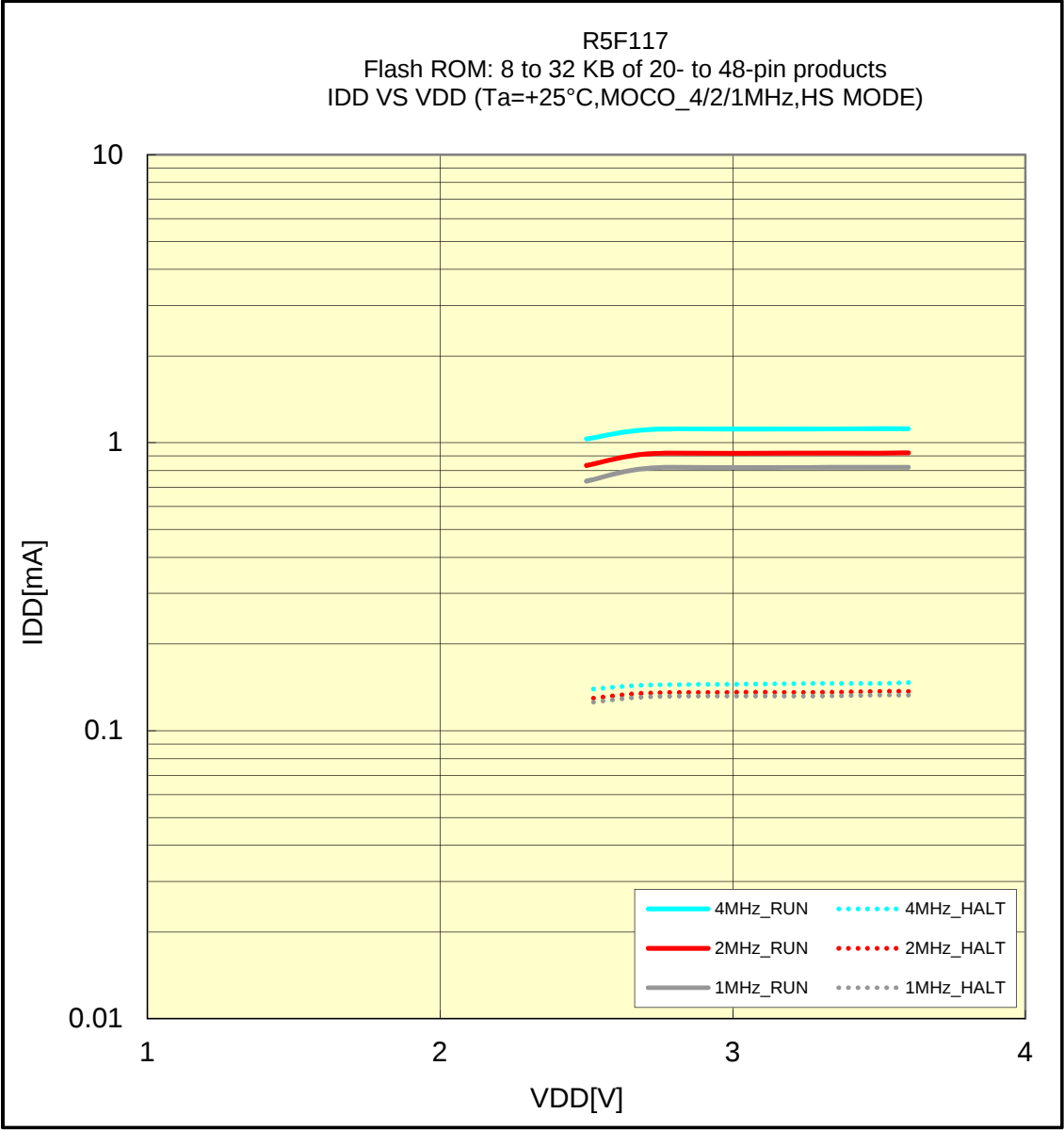


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+25°C/MOCO_4/2/1MHz/HS MODE)

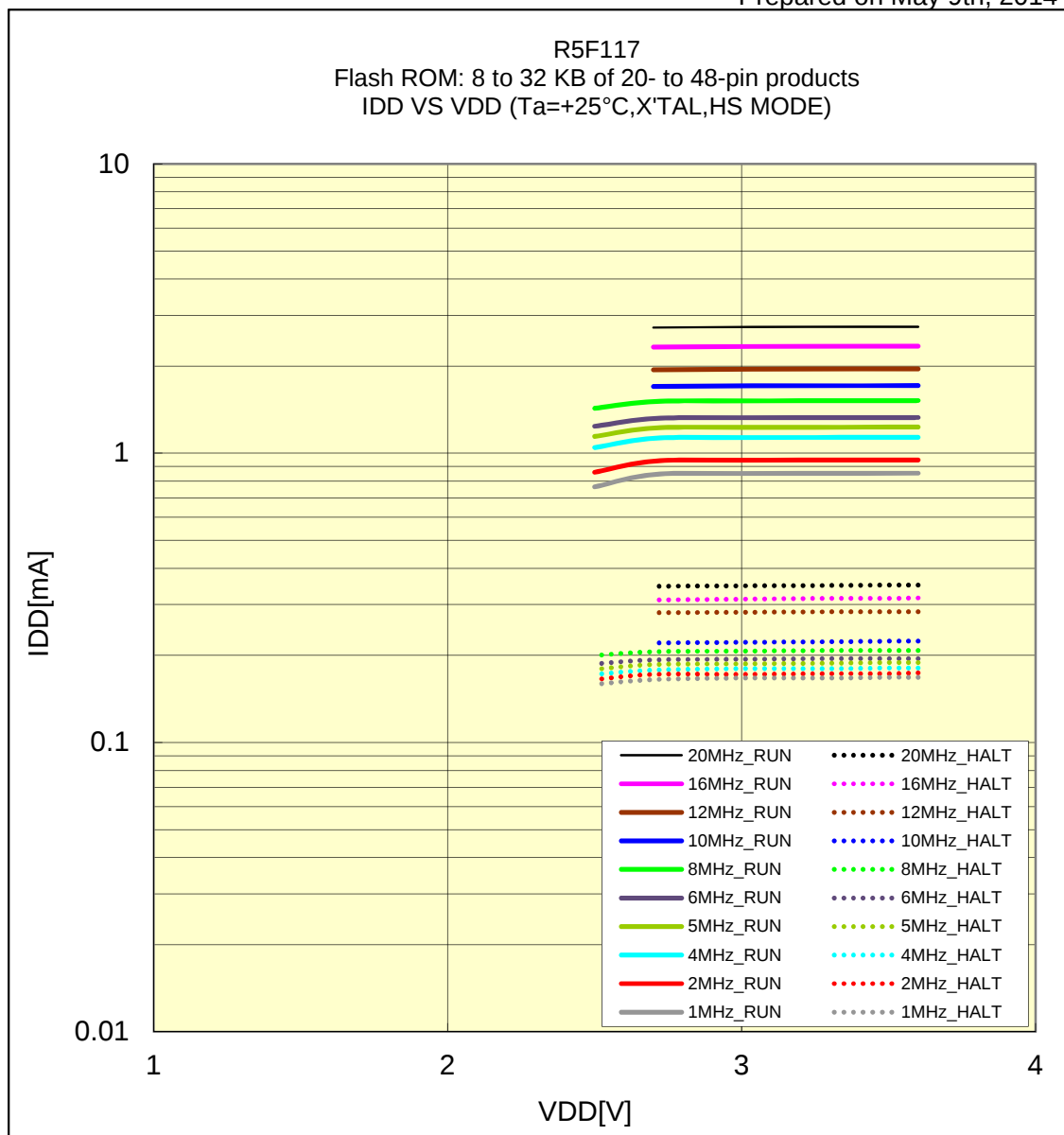
Prepared on May 9th, 2014



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

R5F117**Flash ROM: 8 to 32 KB of 20- to 48-pin products****IDD VS VDD****(+25°C/X'TAL/HS MODE)**

Prepared on May 9th, 2014

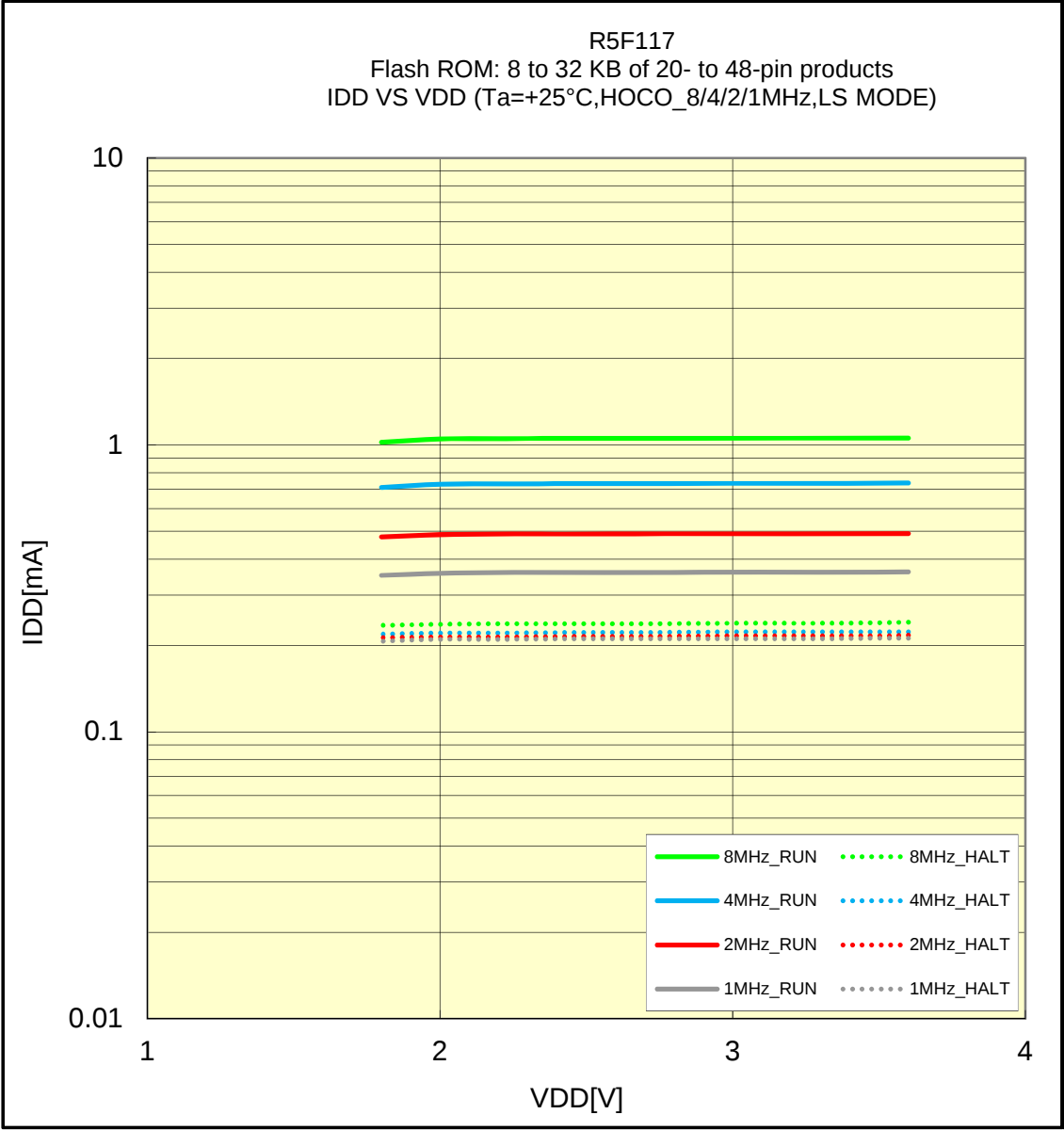


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+25°C/HOCO_8/4/2/1MHz/LS MODE (MCSEL=0))

Prepared on May 9th, 2014

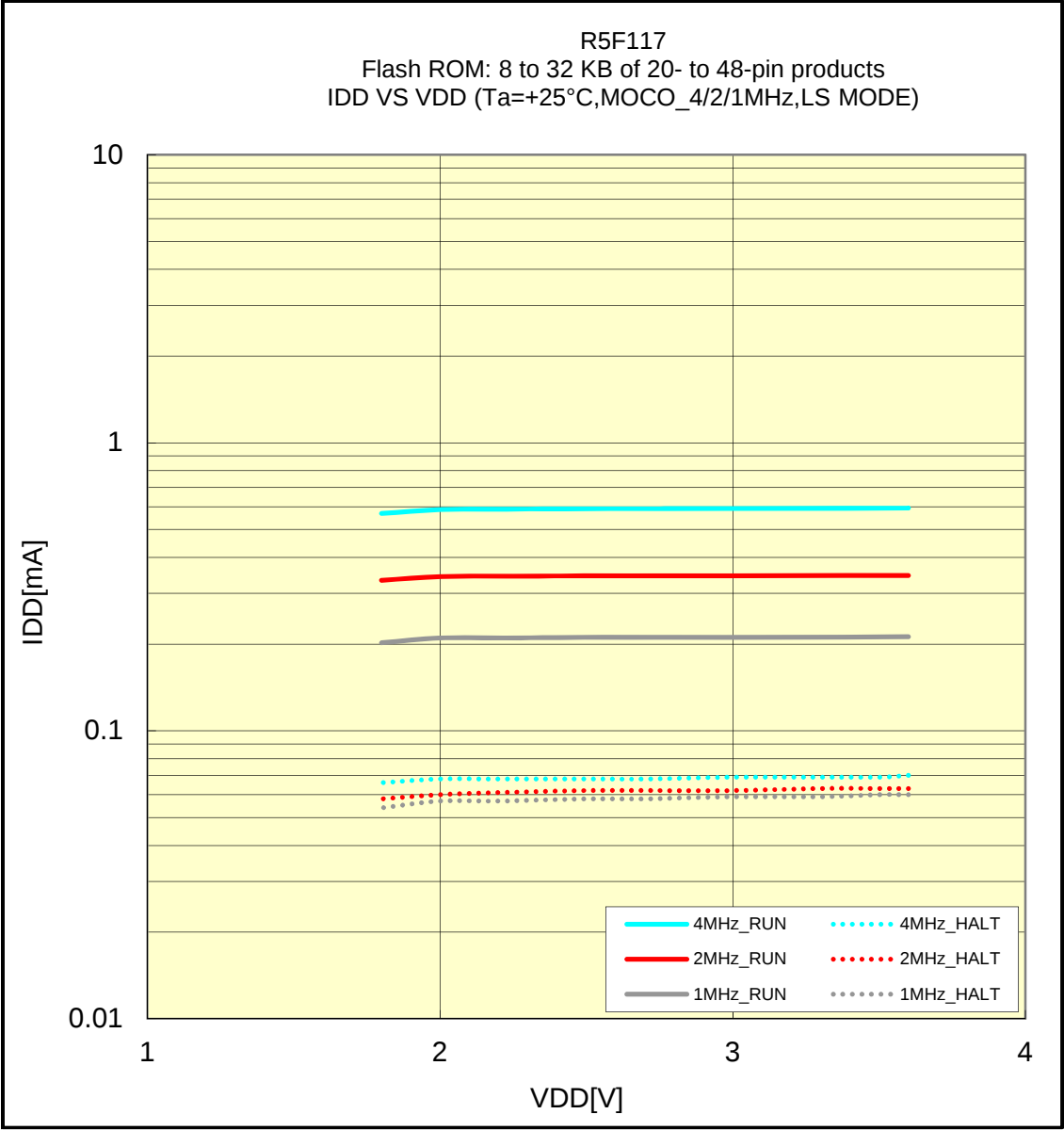


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+25°C/MOCO_4/2/1MHz/LS MODE (MCSEL=0))

Prepared on May 9th, 2014

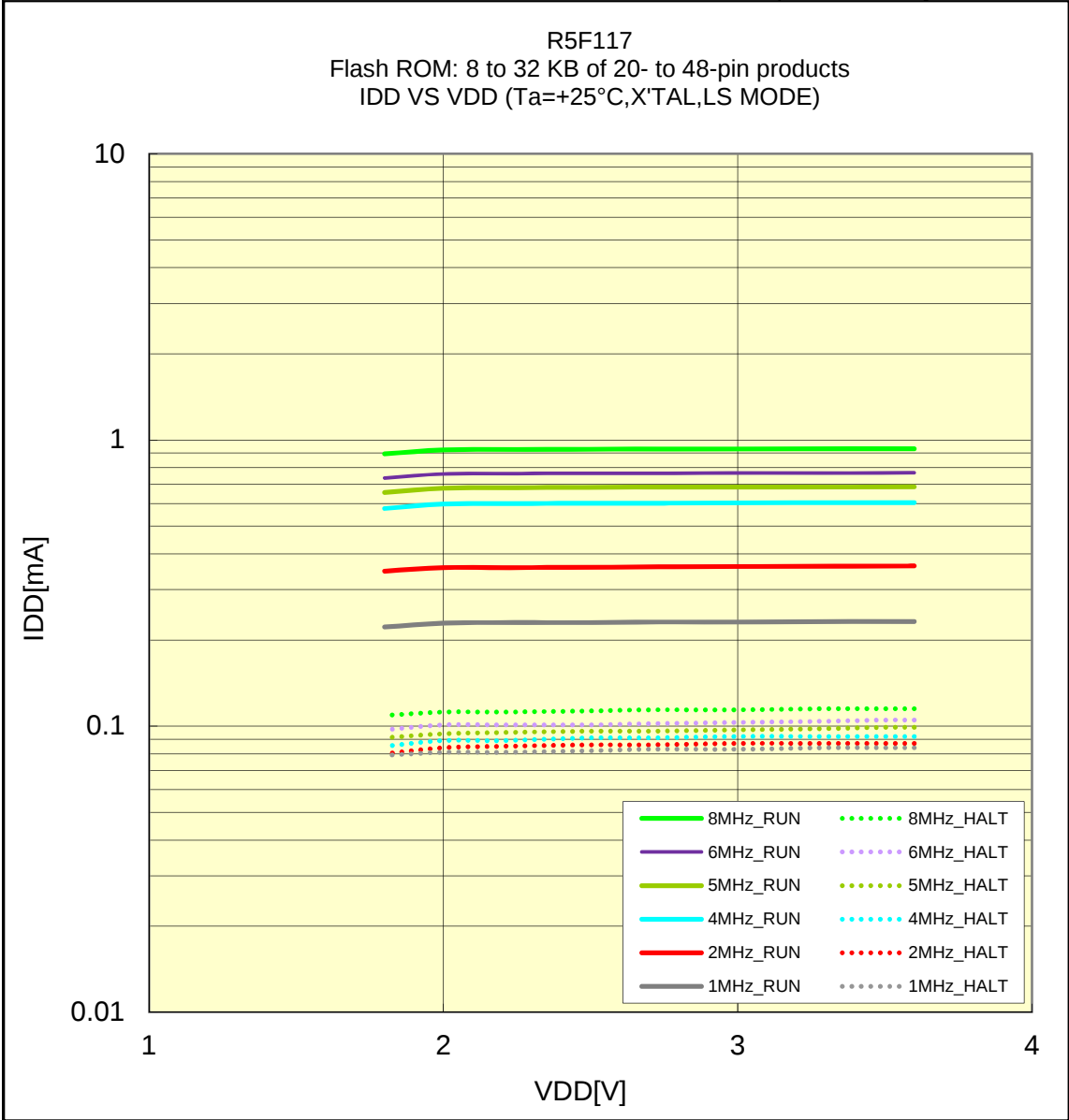


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+25°C/X'TAL/LS MODE (MCSEL=0))

Prepared on May 9th, 2014

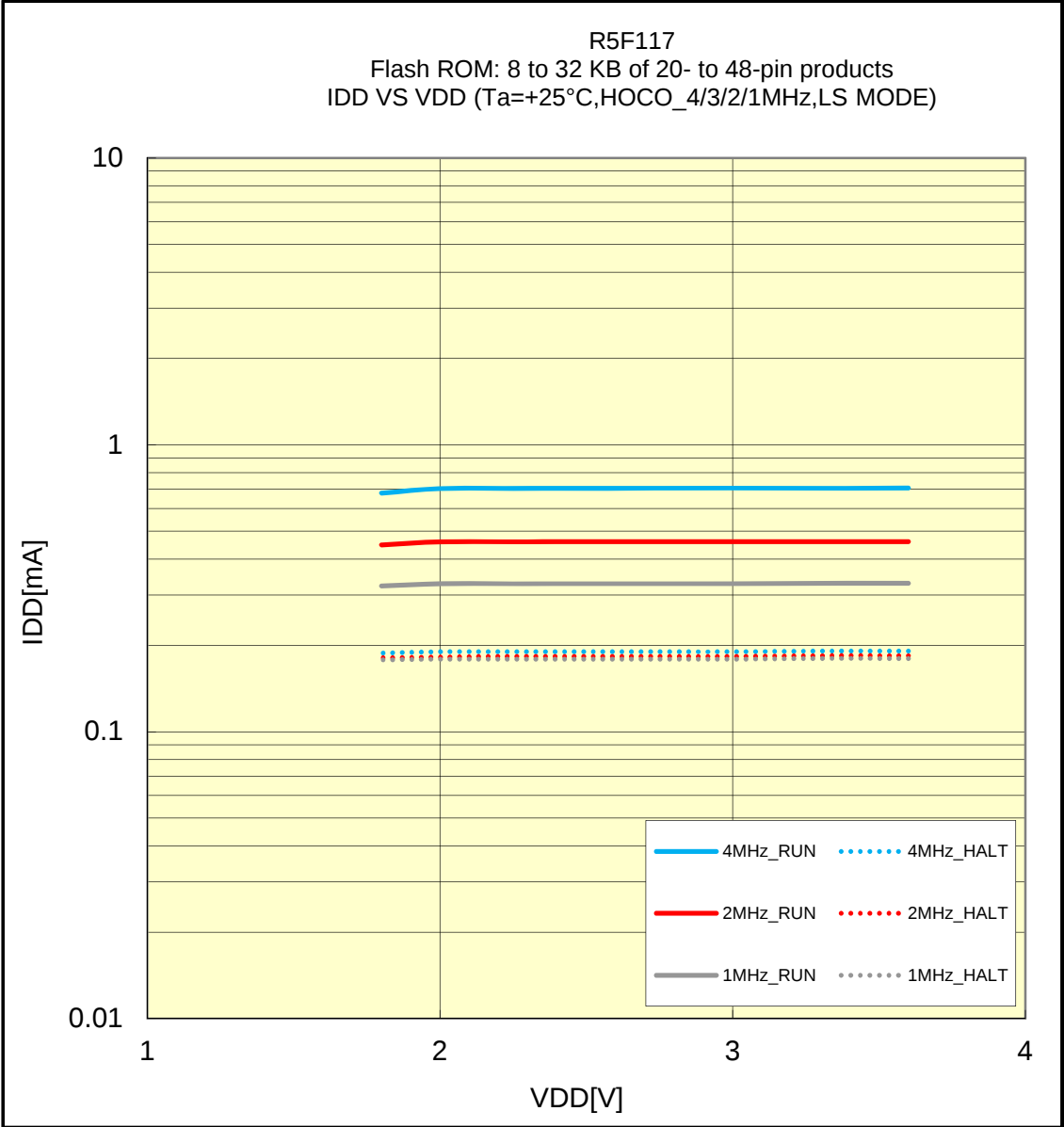


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+25°C/HOCO_4/3/2/1MHz/LS MODE (MCSEL=1))

Prepared on May 9th, 2014

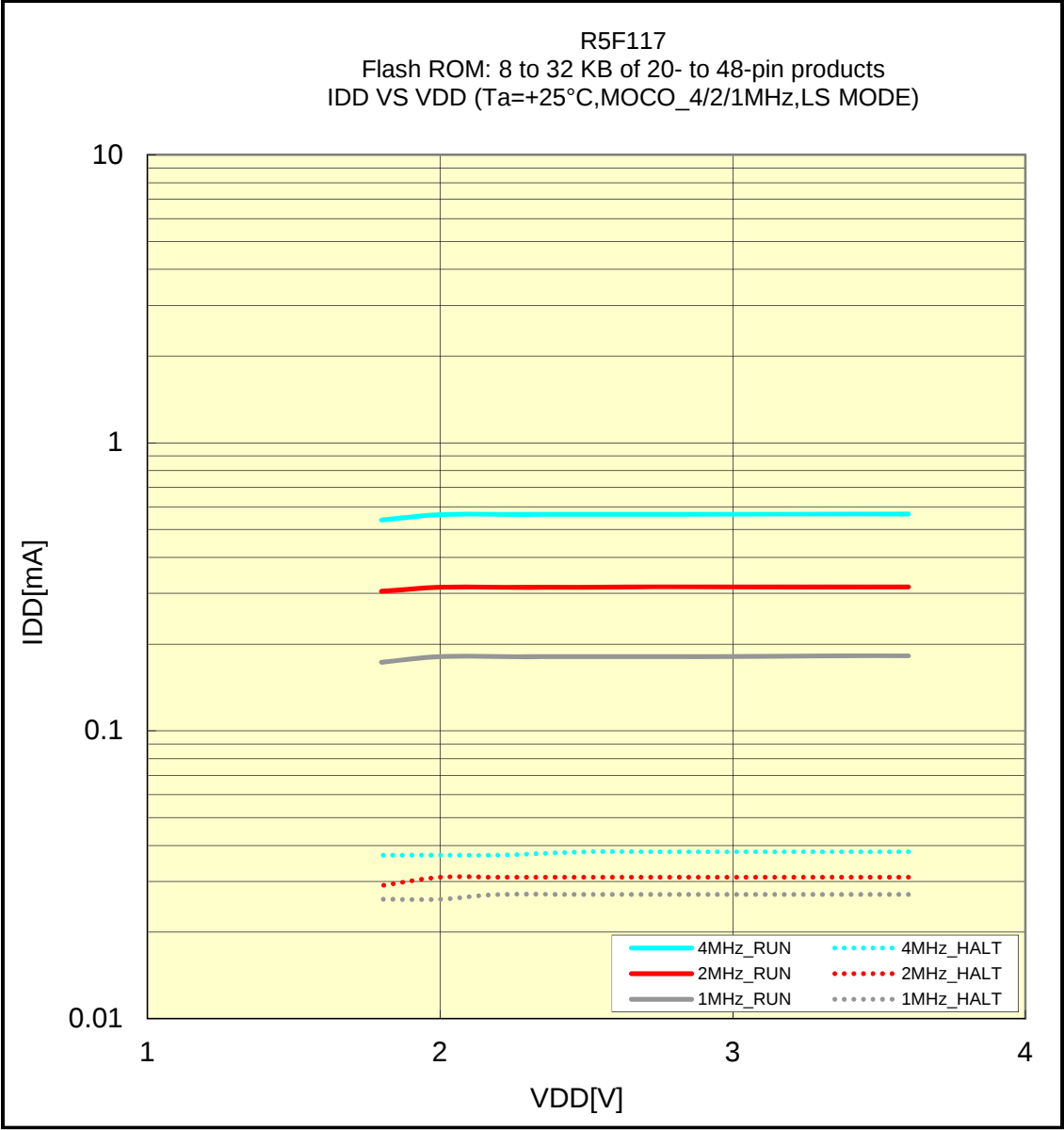


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+25°C/MOCO_4/2/1MHz/LS MODE (MCSEL=1))

Prepared on May 9th, 2014

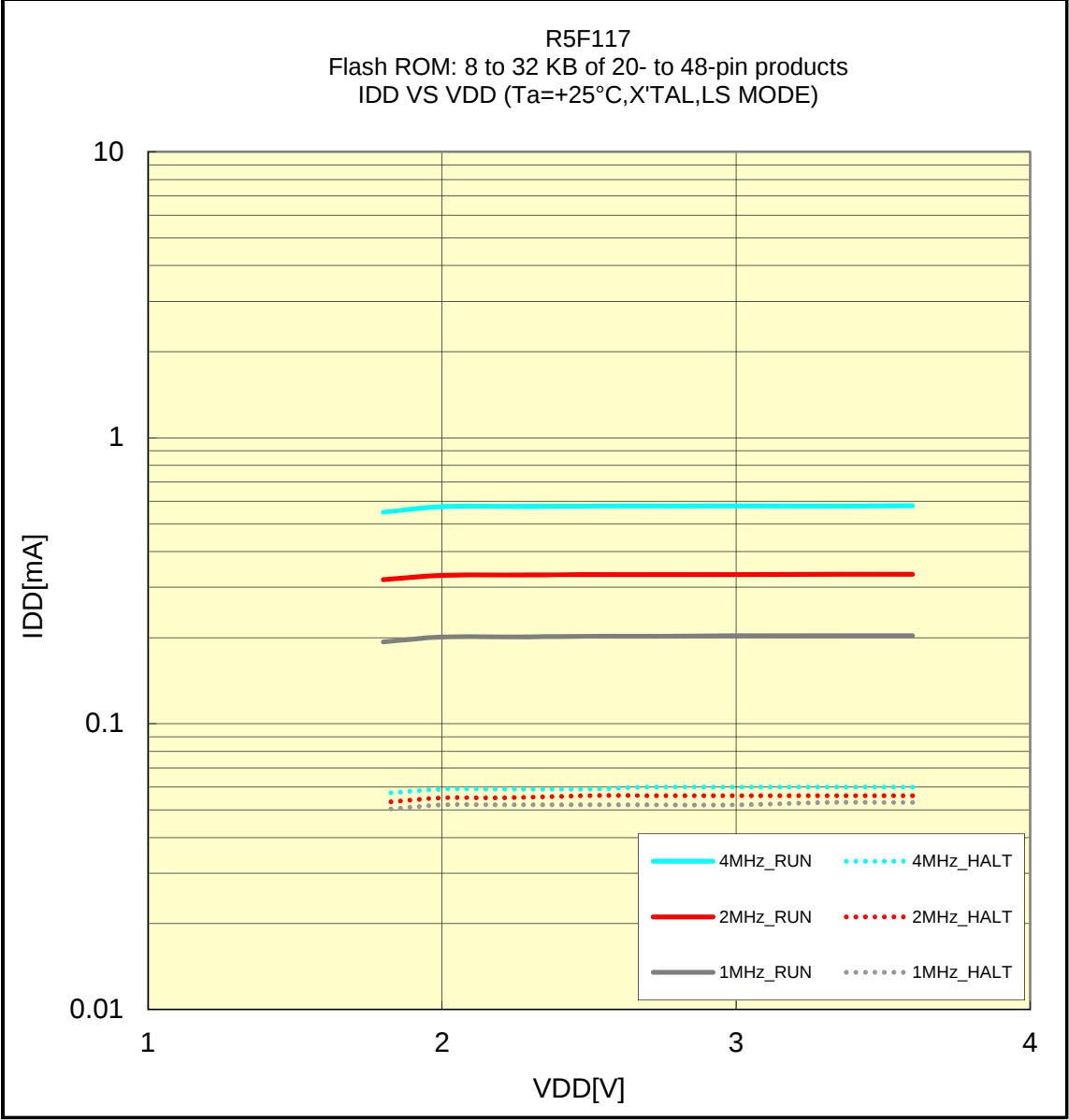


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+25°C/X'TAL/LS MODE (MCSEL=1))

Prepared on May 9th, 2014

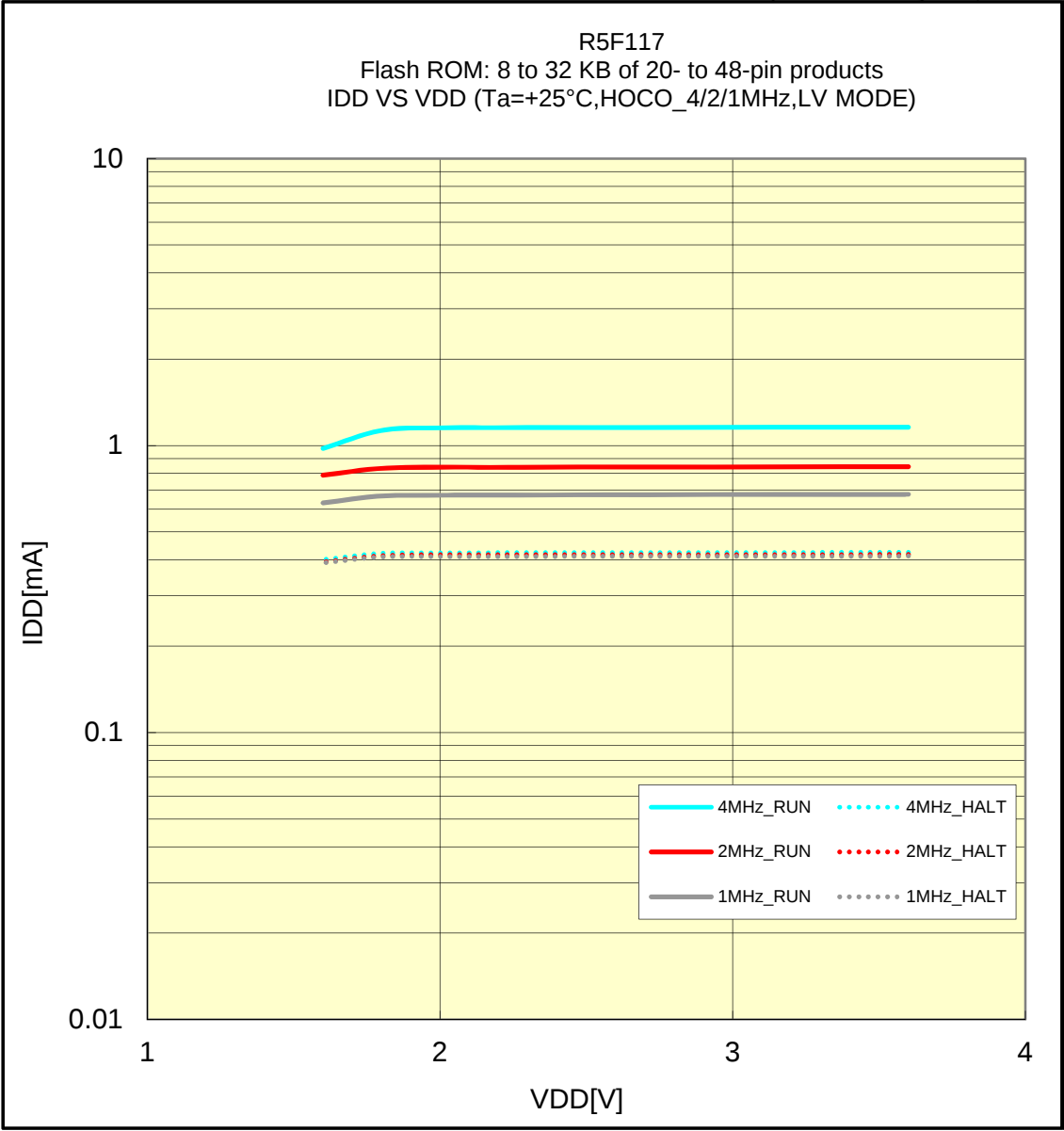


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

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

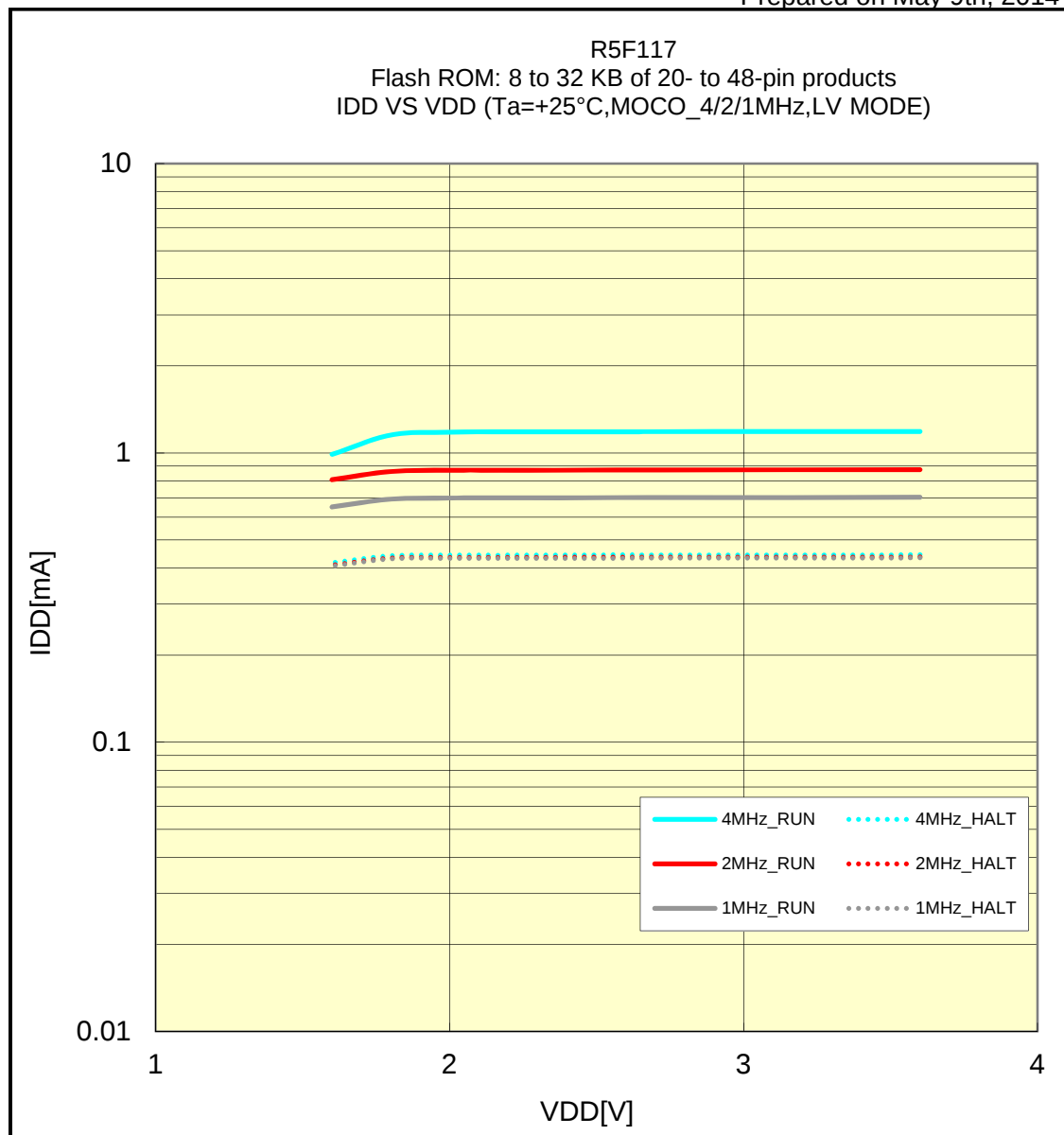
Prepared on May 9th, 2014



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R5F117**Flash ROM: 8 to 32 KB of 20- to 48-pin products****IDD VS VDD****(+25°C/MOCO_4/2/1MHz/LV MODE)**

Prepared on May 9th, 2014

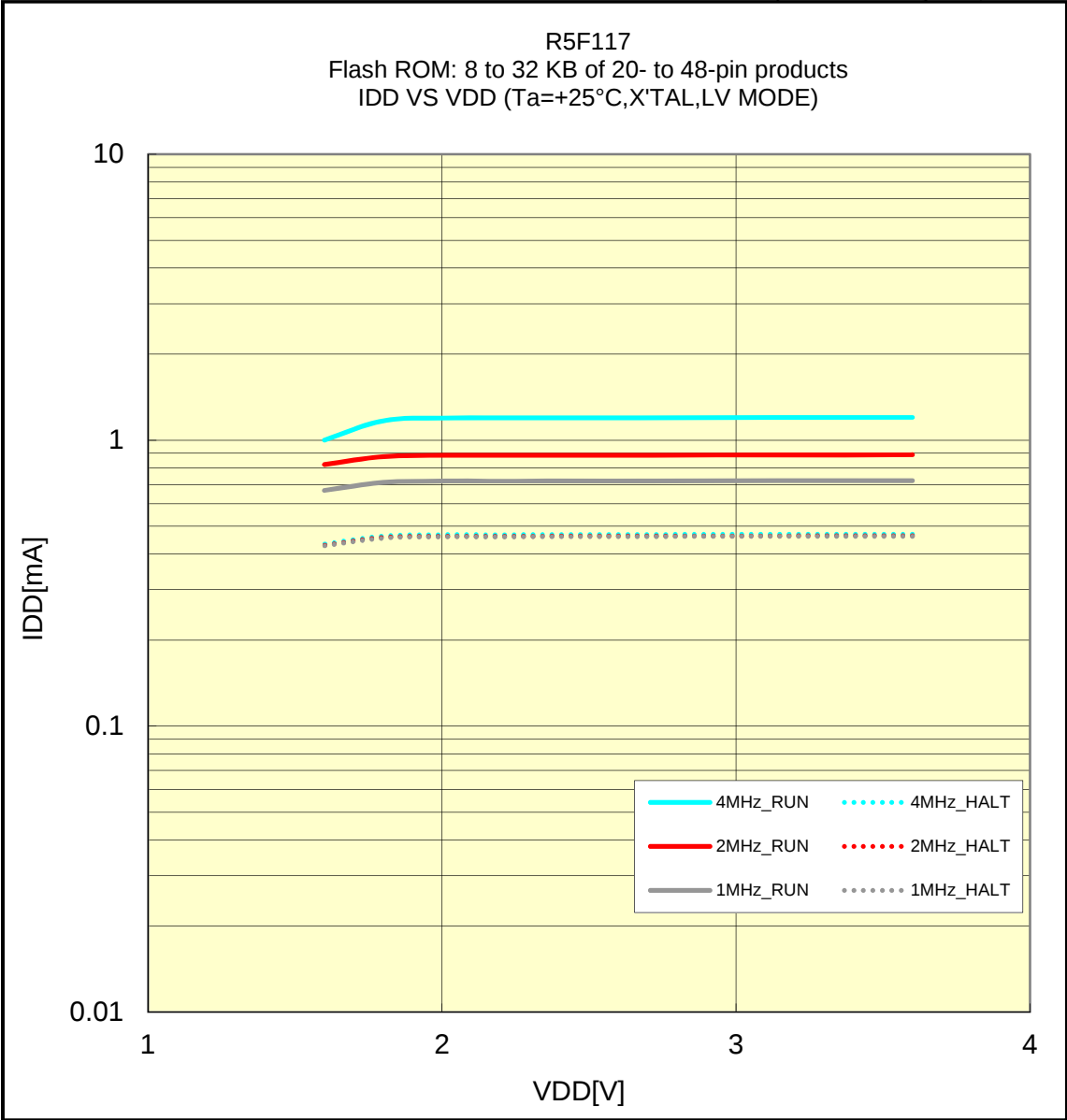


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+25°C/X'TAL/LV MODE)

Prepared on May 9th, 2014

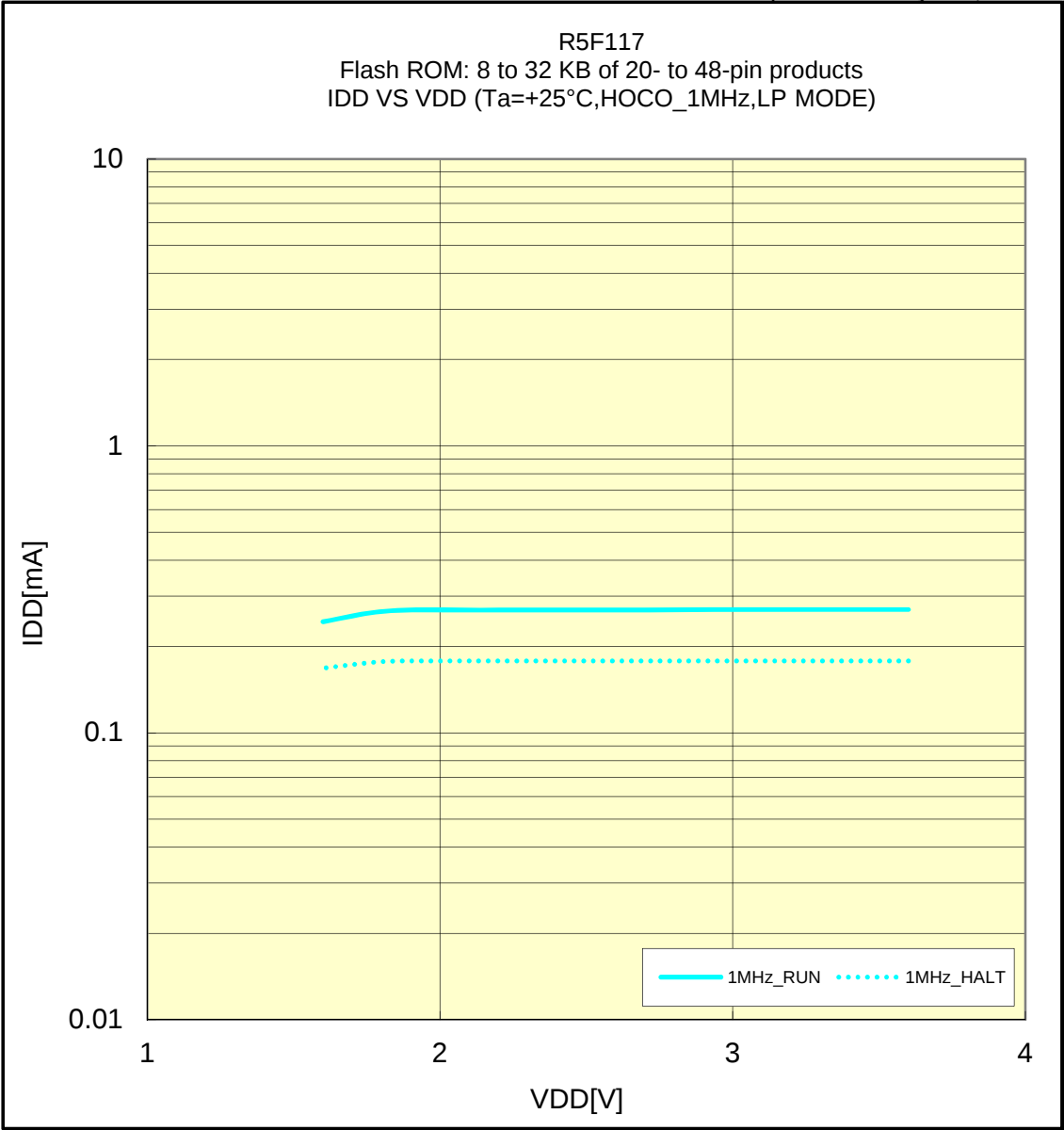


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+25°C/HOCO_1MHz/LP MODE (MCSEL=1))

Prepared on May 9th, 2014

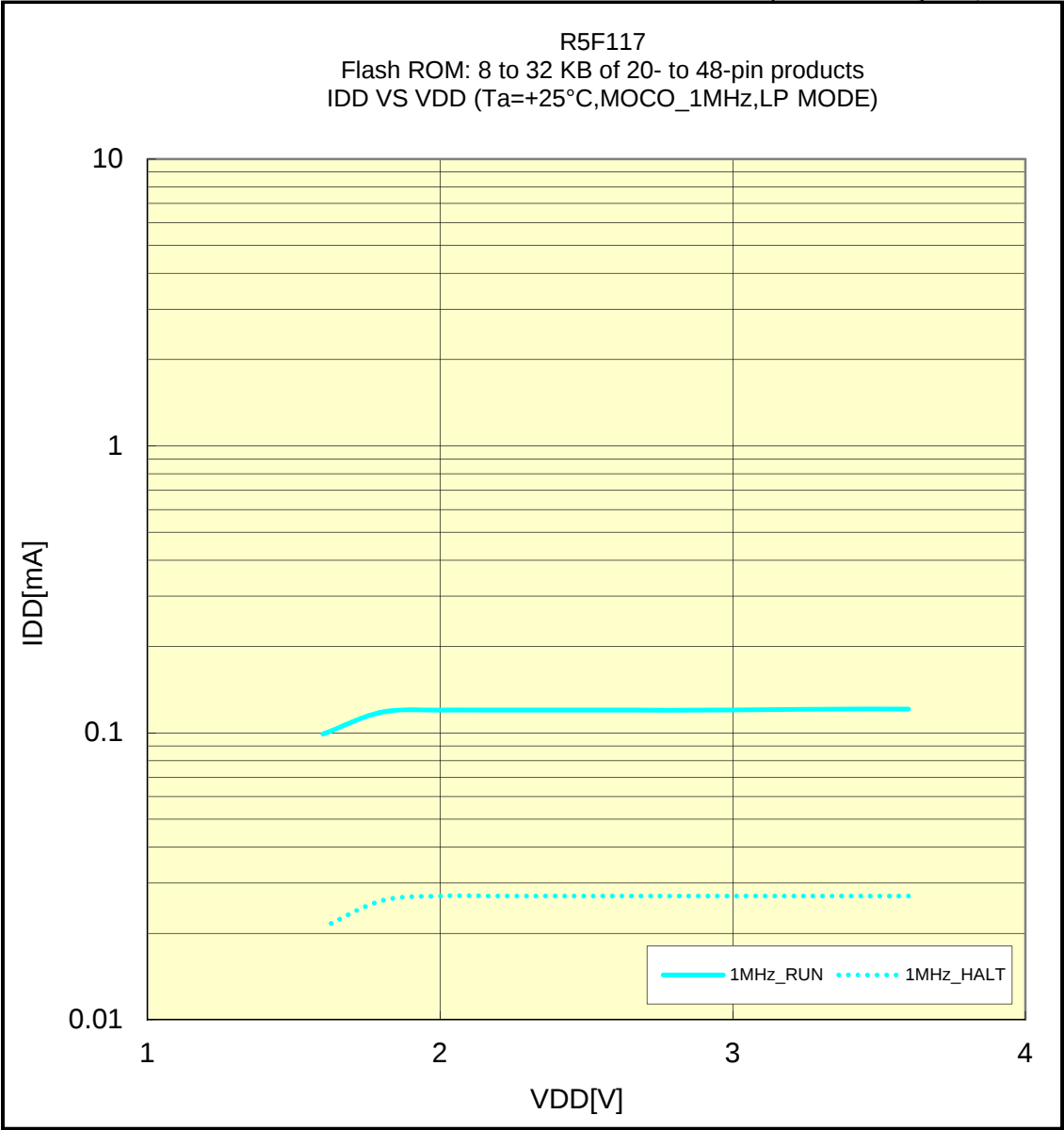


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+25°C/MOCO_1MHz/LP MODE (MCSEL=1))

Prepared on May 9th, 2014

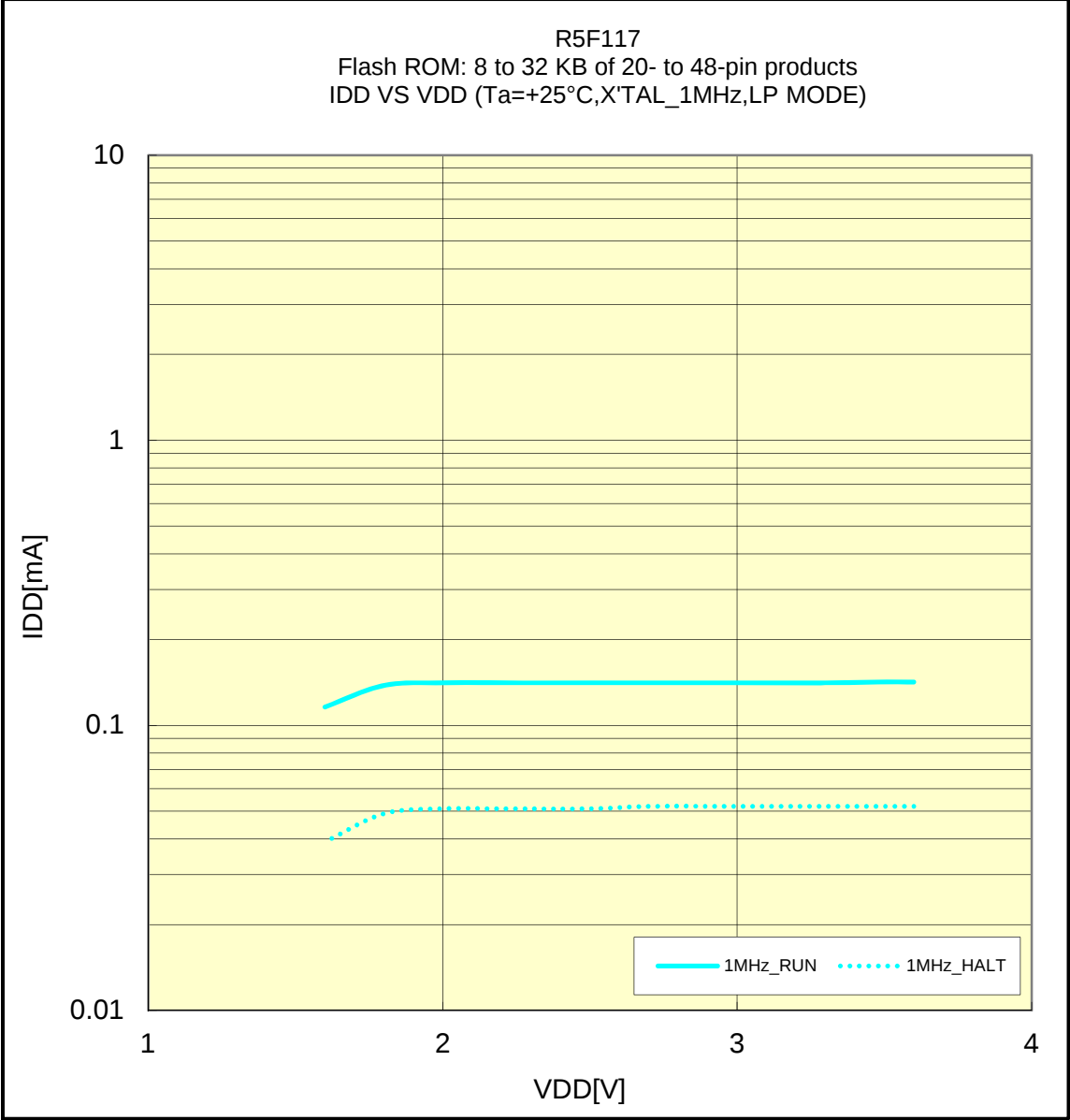


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+25°C/X'TAL_1MHz/LP MODE (MCSEL=1))

Prepared on May 9th, 2014

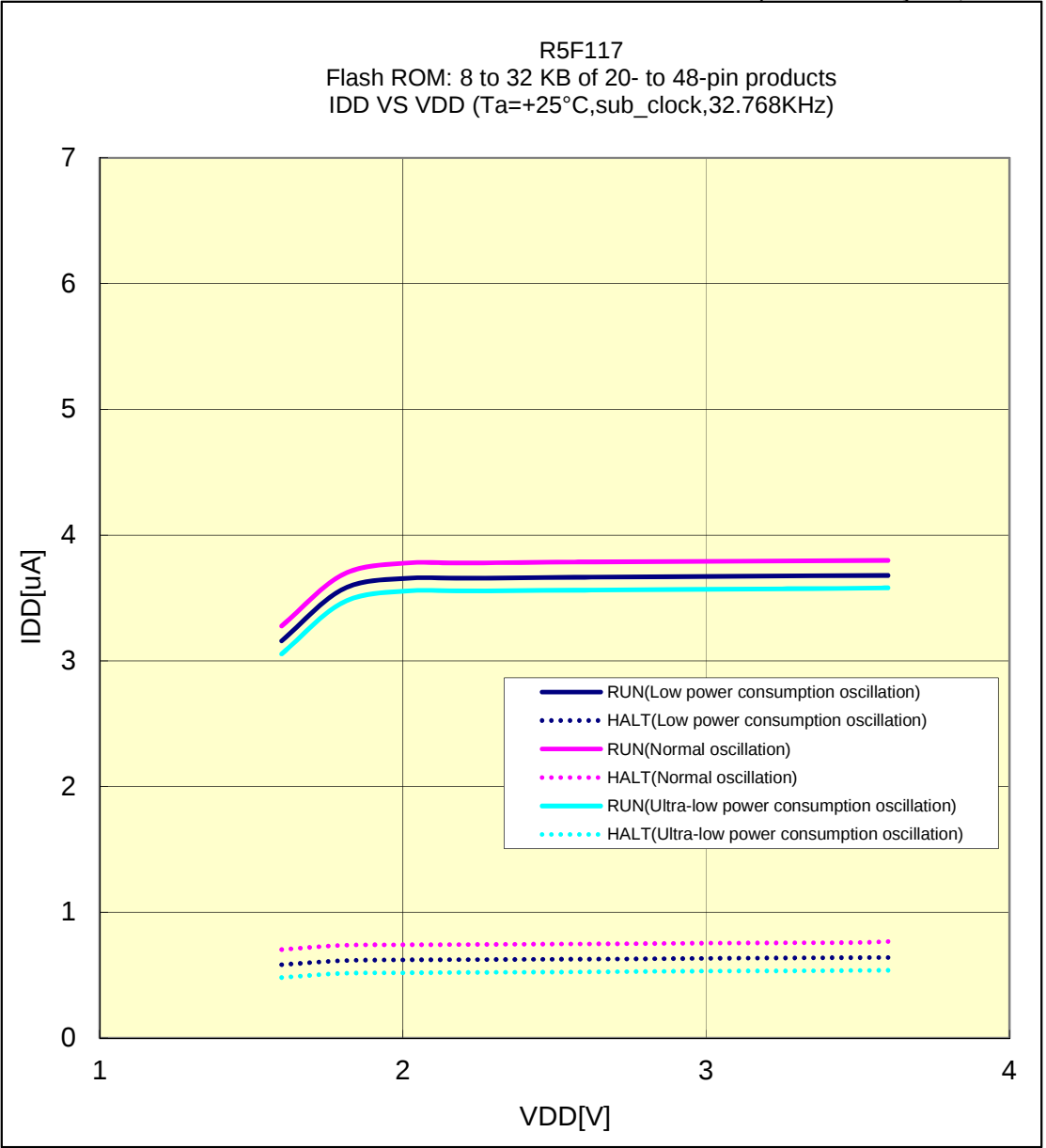


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+25°C/sub_clock/32.768KHz)

Prepared on May 9th, 2014

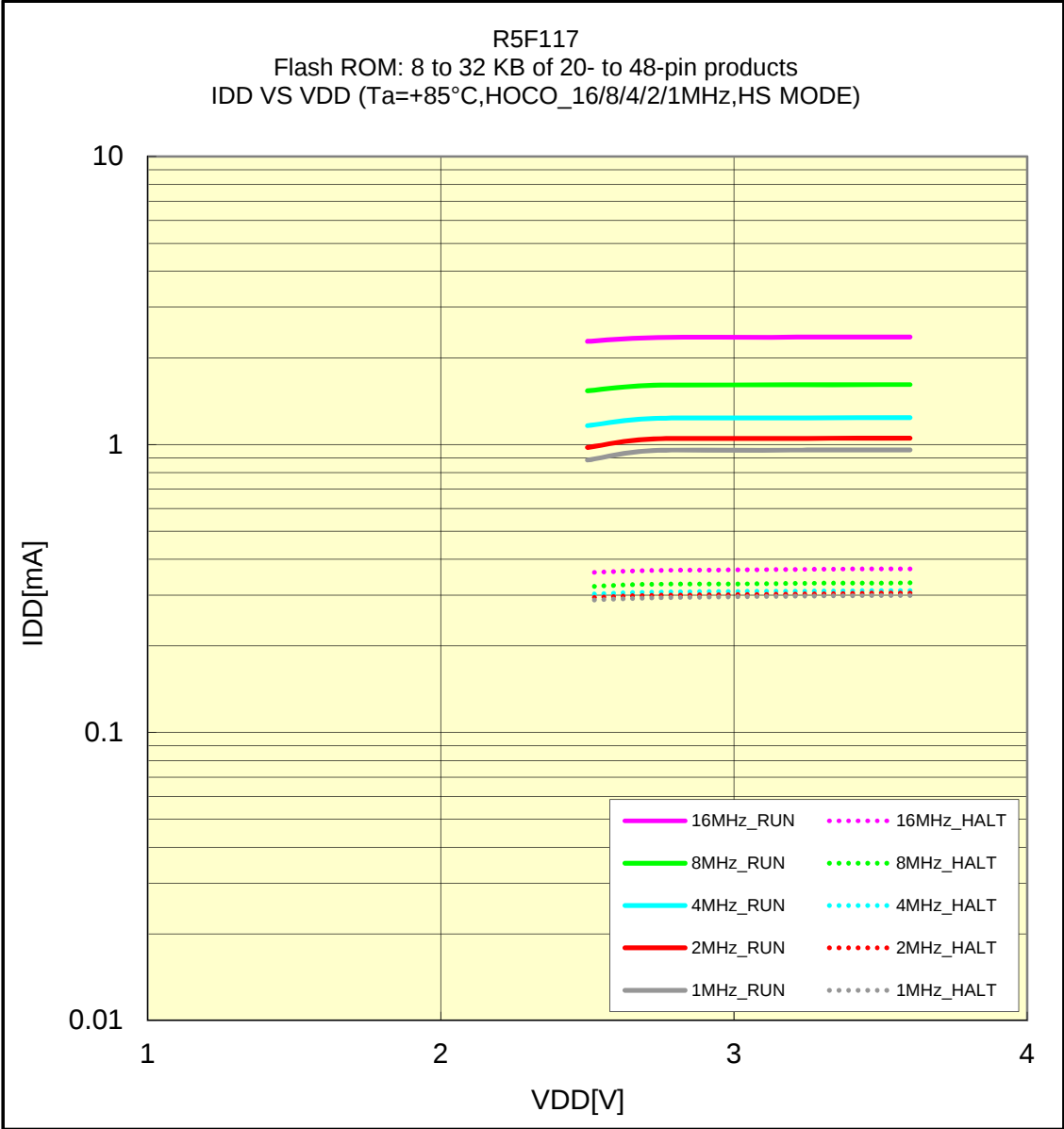


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+85°C/HOCO_16/8/4/2/1MHz/HS MODE)

Prepared on May 9th, 2014

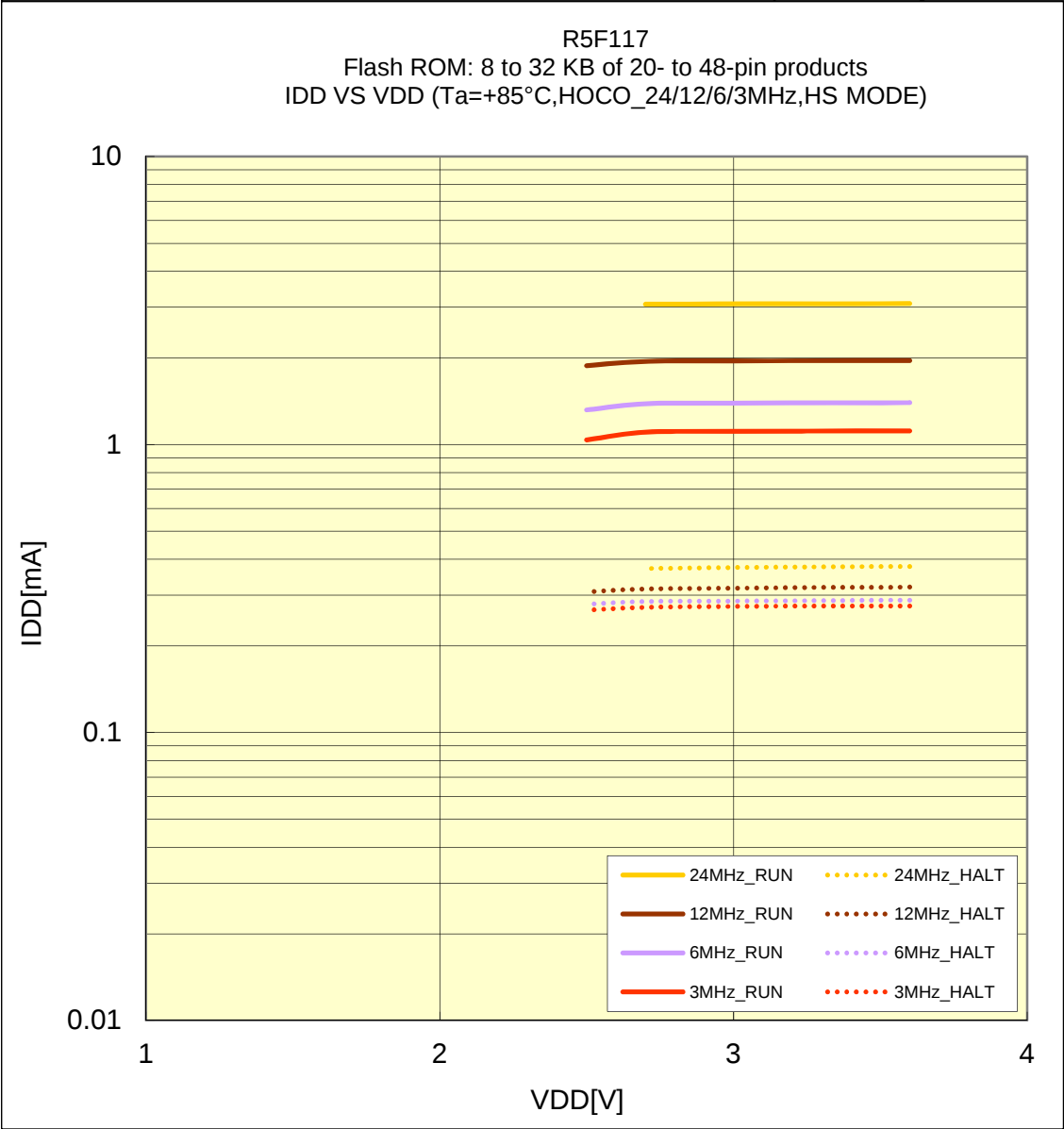


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

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

Prepared on May 9th, 2014

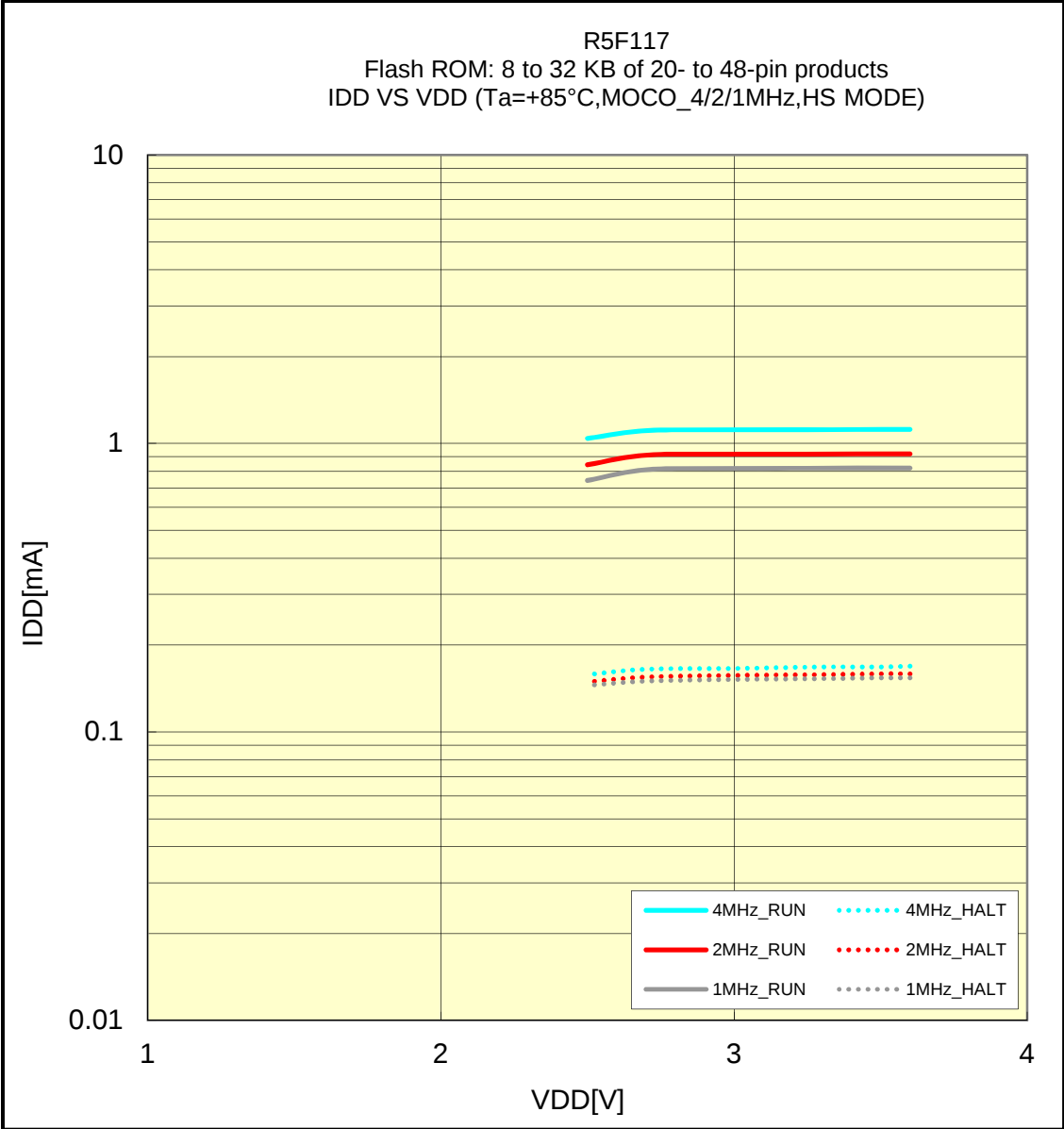


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+85°C/MOCO_4/2/1MHz/HS MODE)

Prepared on May 9th, 2014

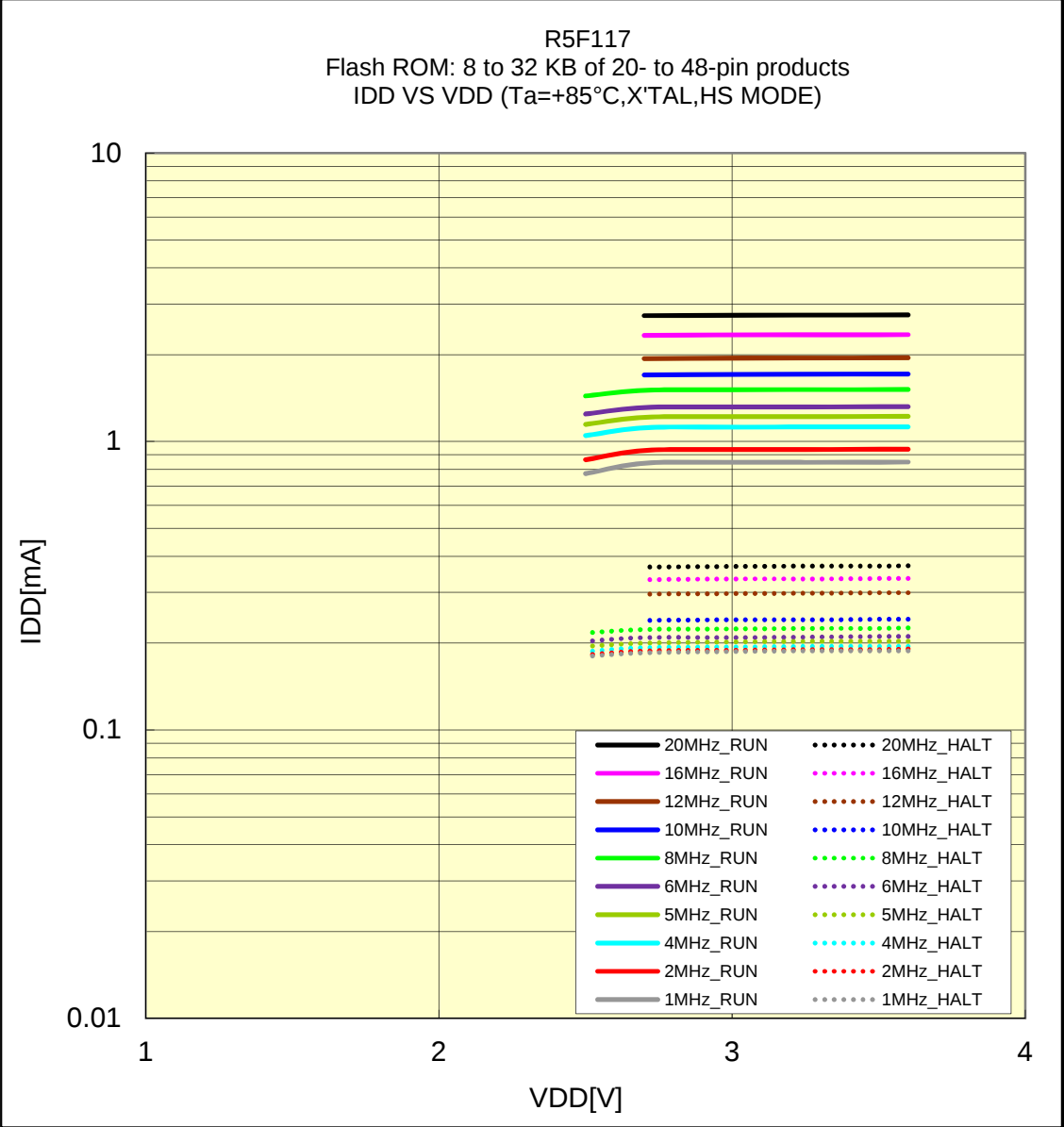


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+85°C/X'TAL/HS MODE)

Prepared on May 9th, 2014

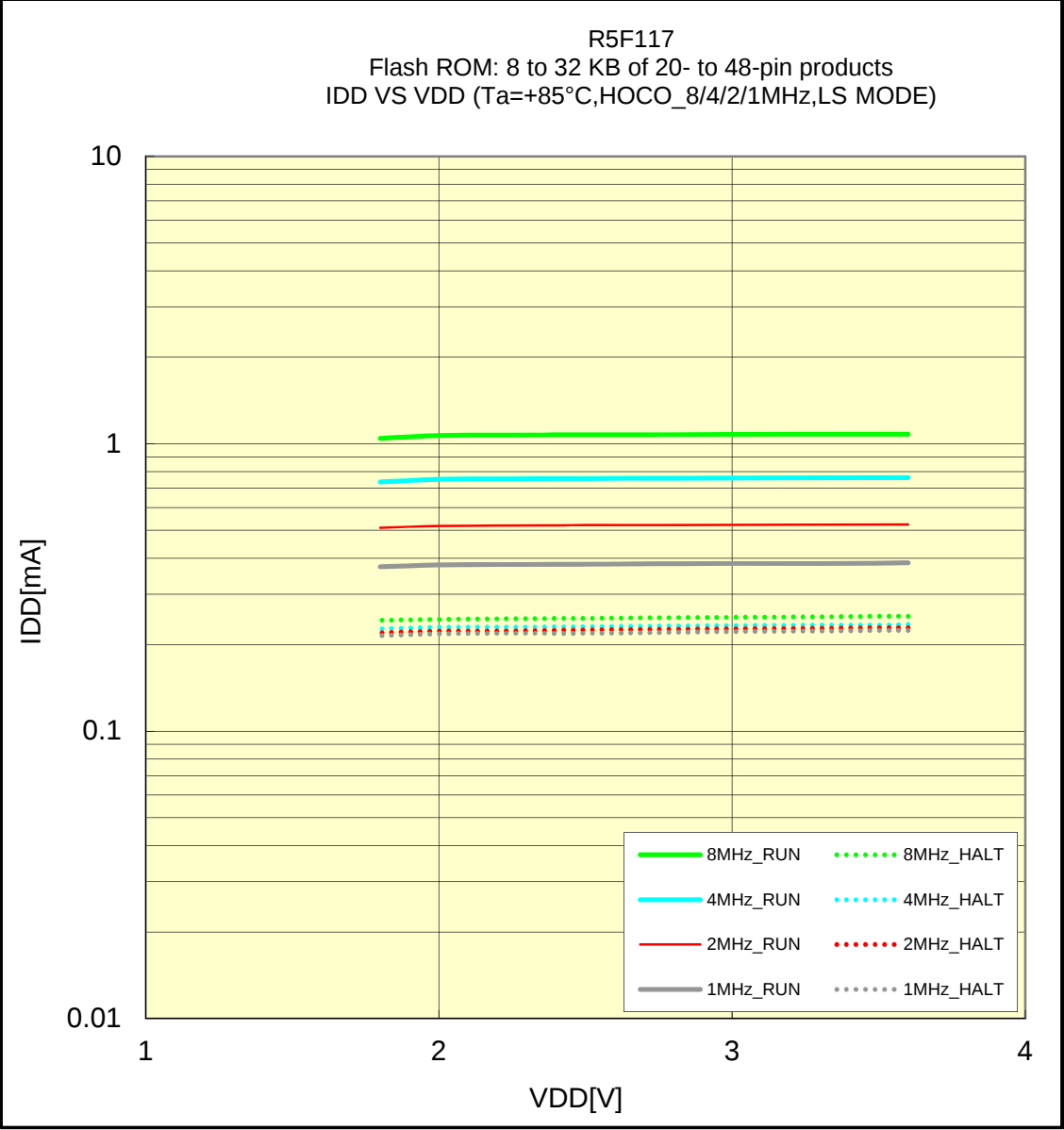


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+85°C/HOCO_8/4/2/1MHz/LS MODE (MCSEL=0))

Prepared on May 9th, 2014

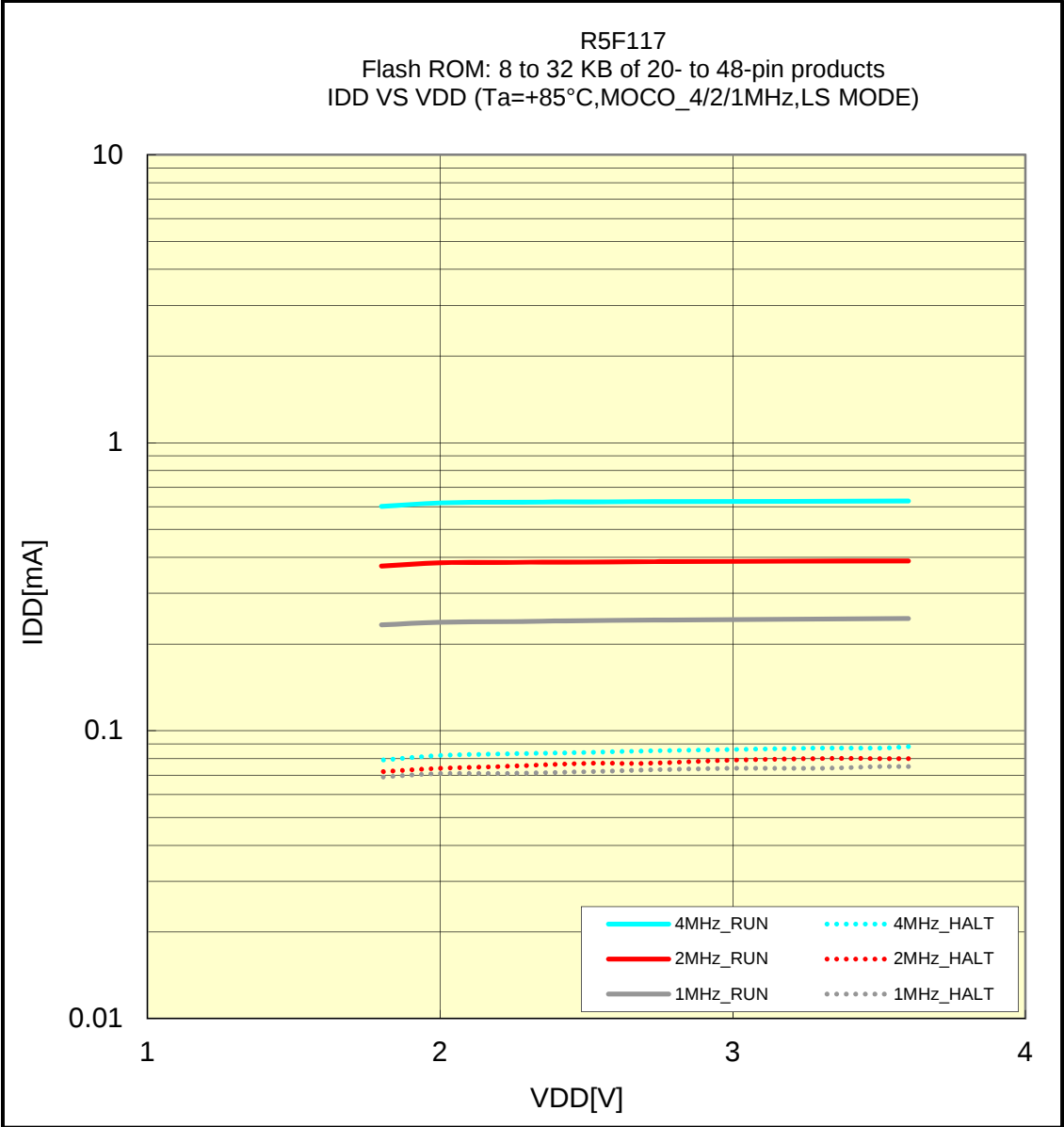


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+85°C/MOCO_4/2/1MHz/LS MODE (MCSEL=0))

Prepared on May 9th, 2014

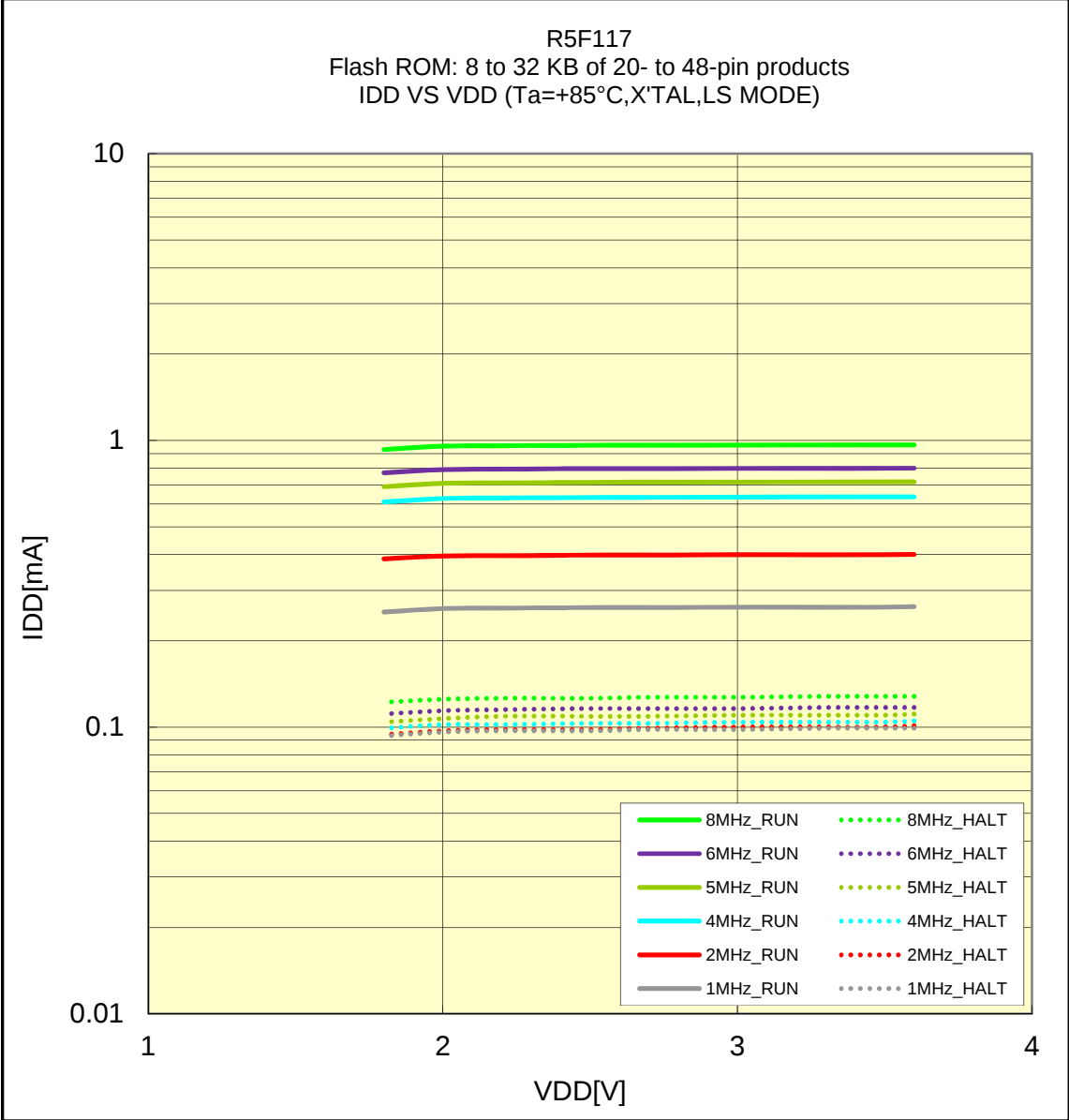


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+85°C/X'TAL/LS MODE (MCSEL=0))

Prepared on May 9th, 2014

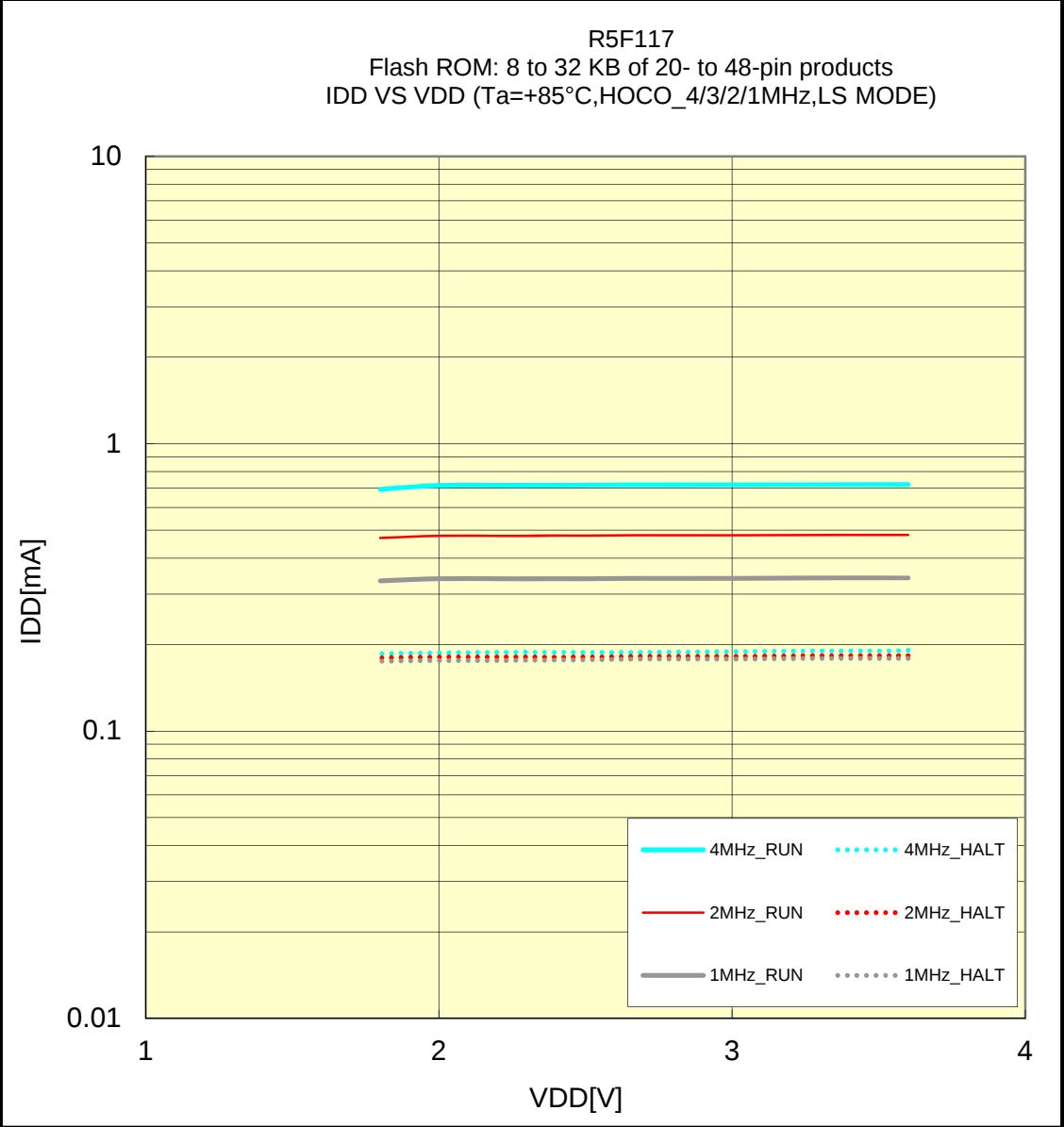


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+85°C/HOCO_4/2/1MHz/LS MODE (MCSEL=1))

Prepared on May 9th, 2014

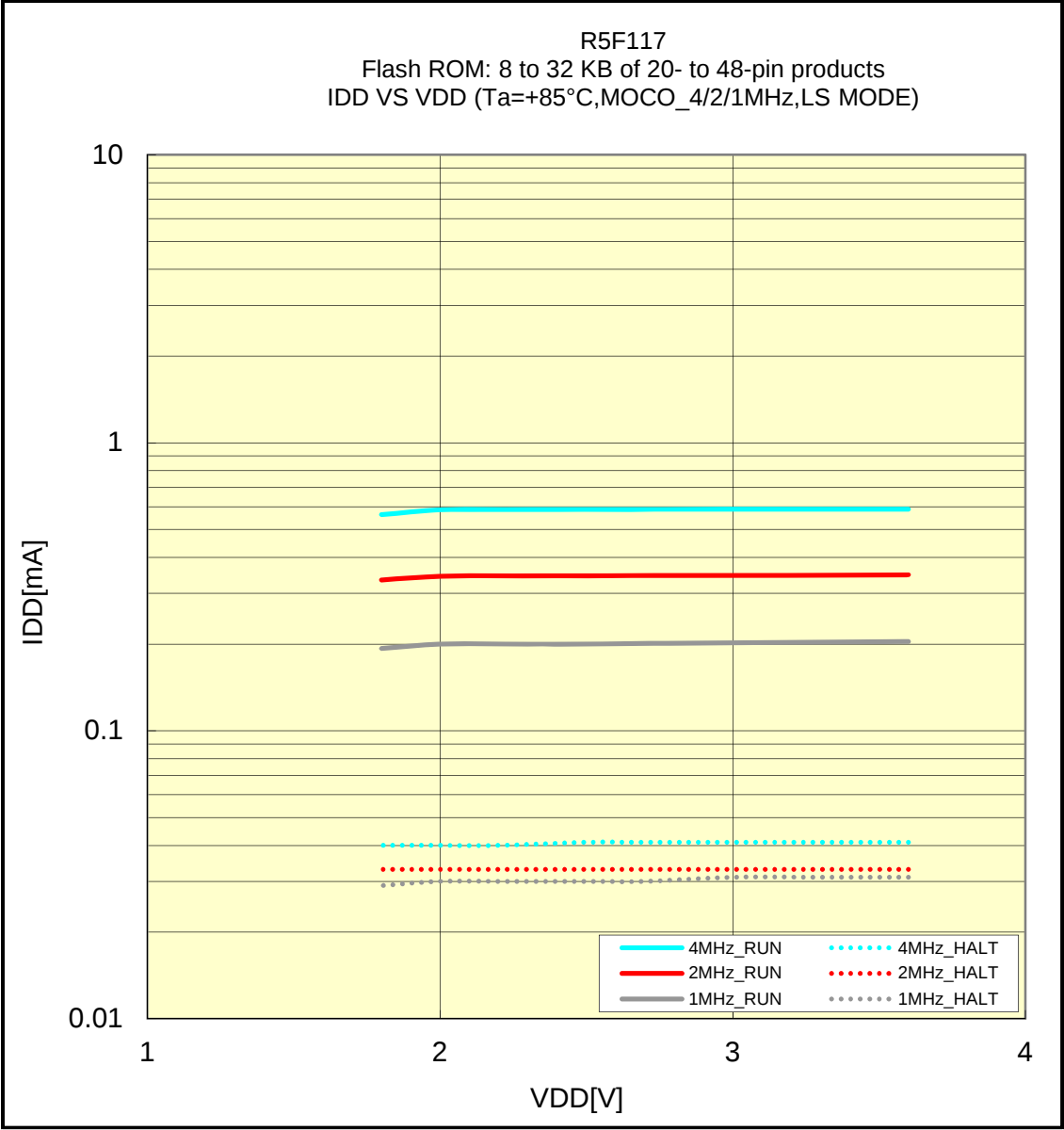


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+85°C/MOCO_4/2/1MHz/LS MODE (MCSEL=1))

Prepared on May 9th, 2014

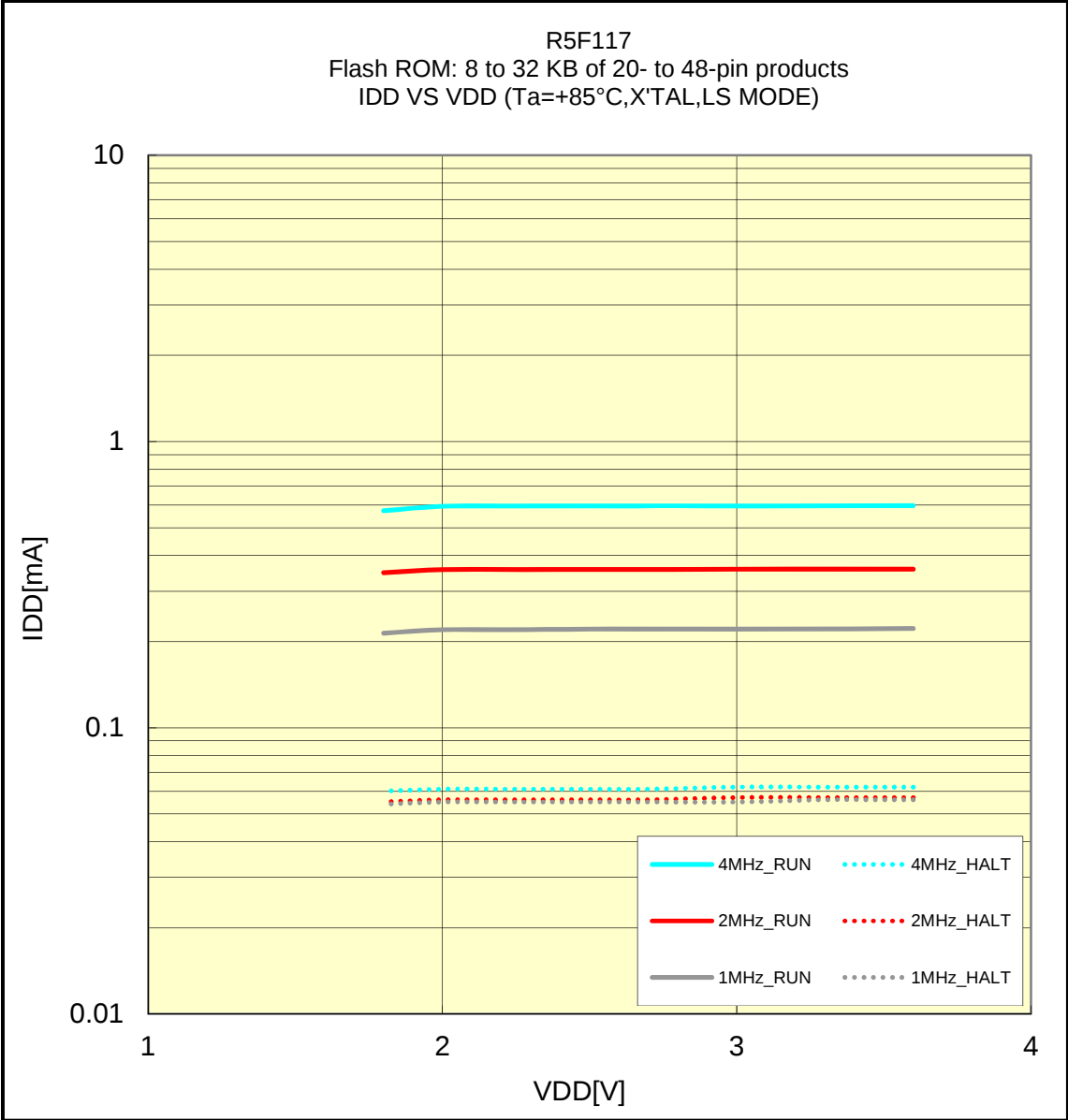


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+85°C/X'TAL/LS MODE (MCSEL=1))

Prepared on May 9th, 2014

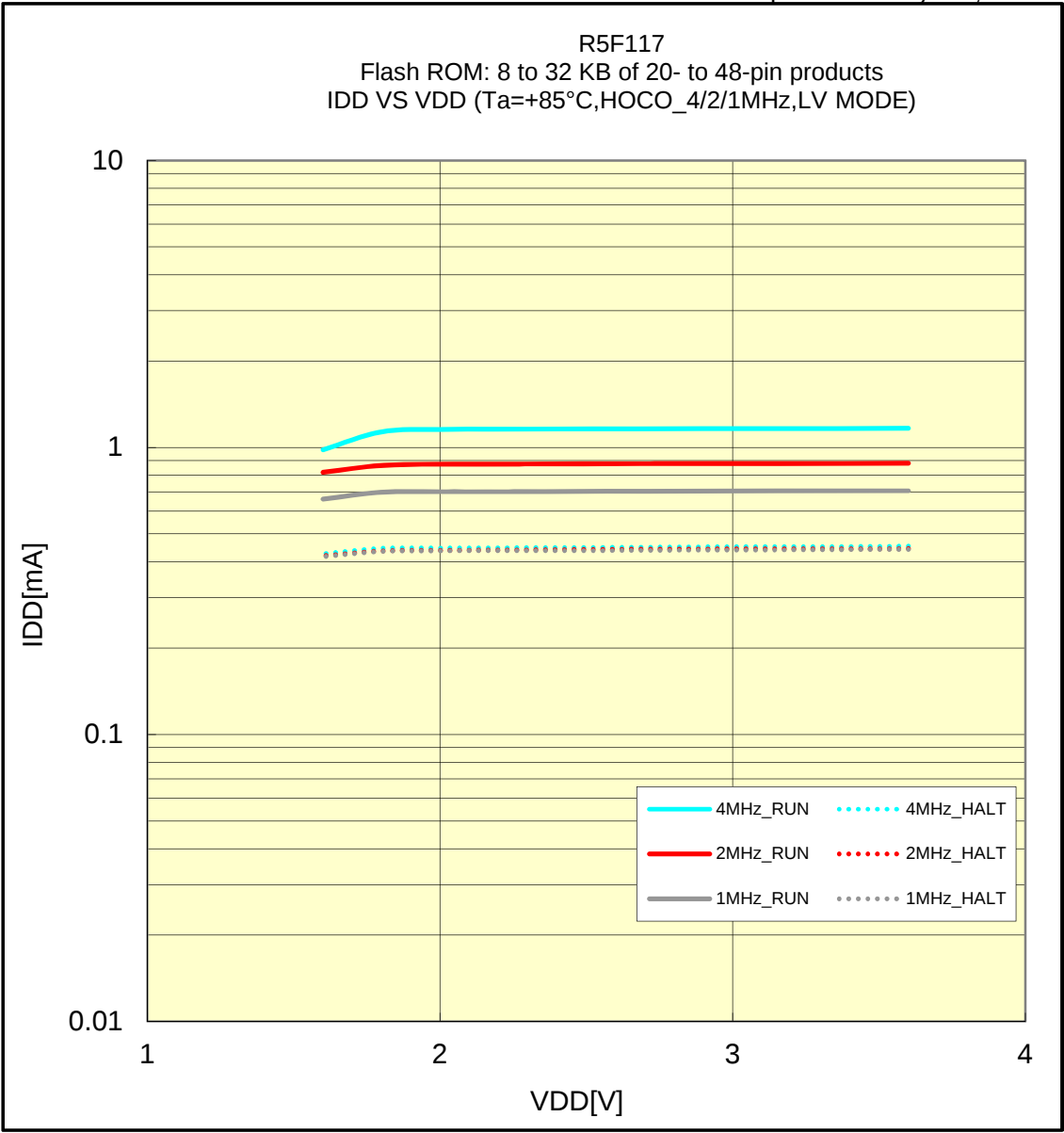


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

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

Prepared on May 9th, 2014

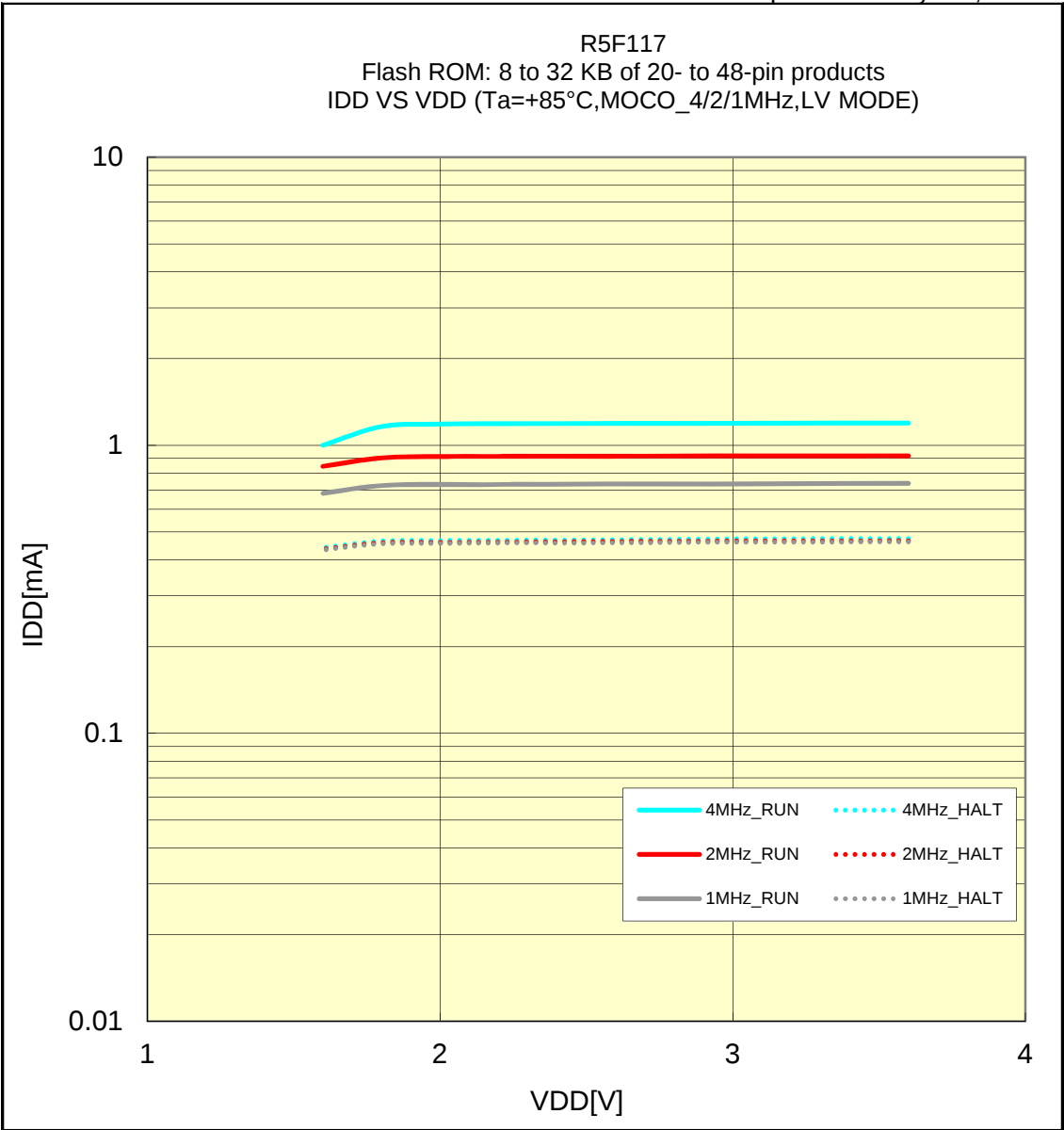


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+85°C/MOCO_4/2/1MHz/LV MODE)

Prepared on May 9th, 2014

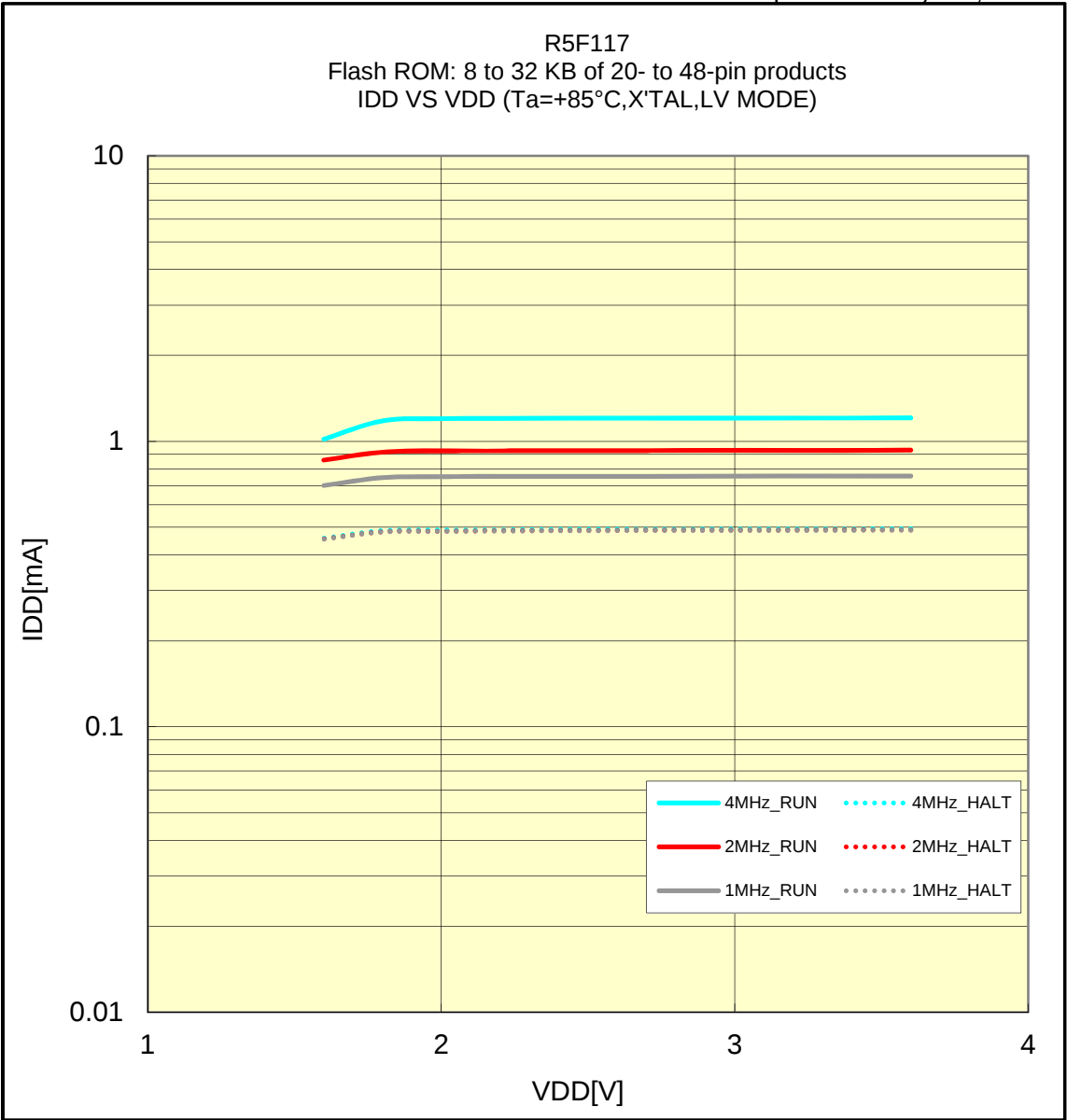


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R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+85°C/X'TAL/LV MODE)

Prepared on May 9th, 2014

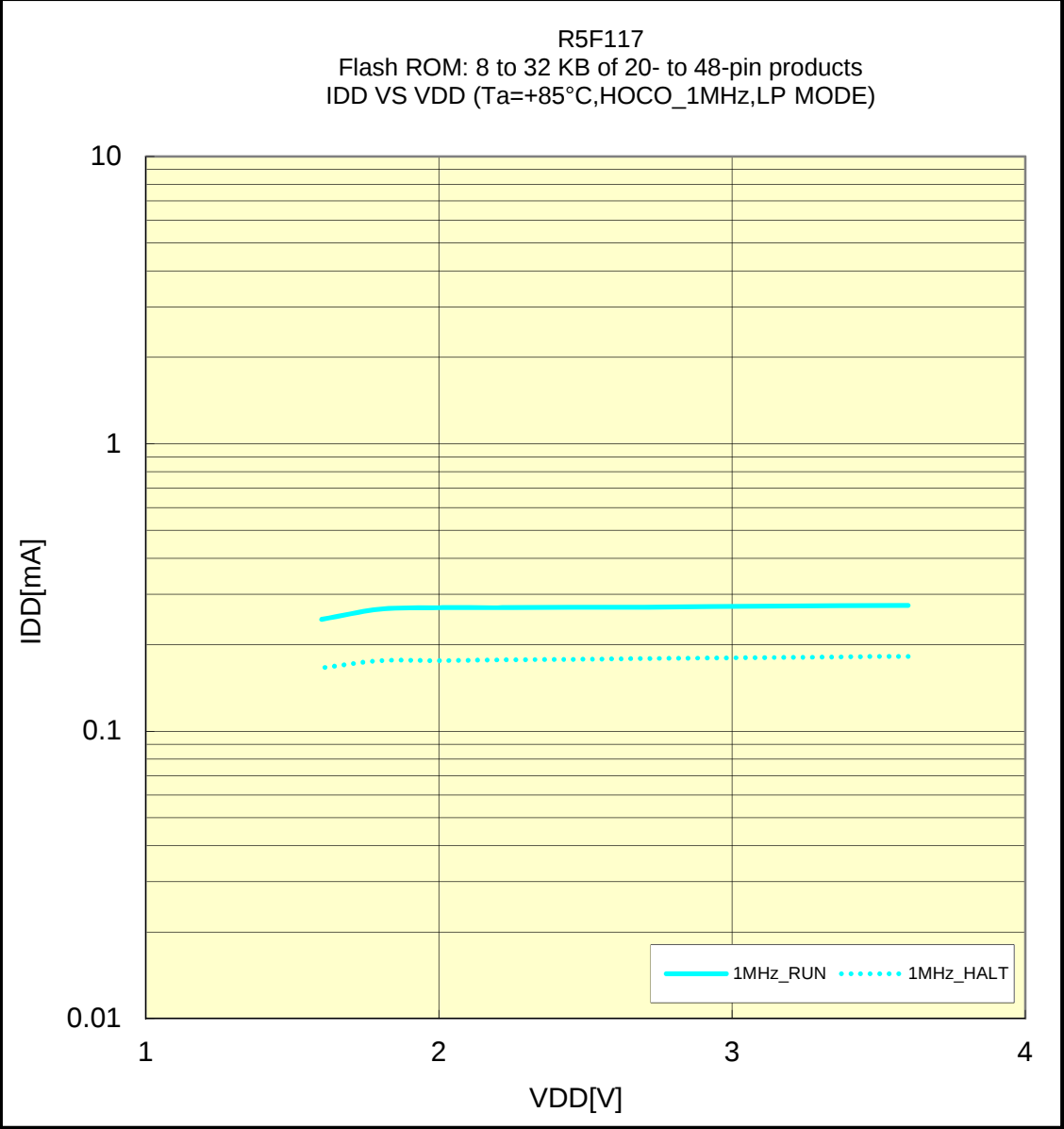


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+85°C/HOCO_1MHz/LP MODE (MCSEL=1))

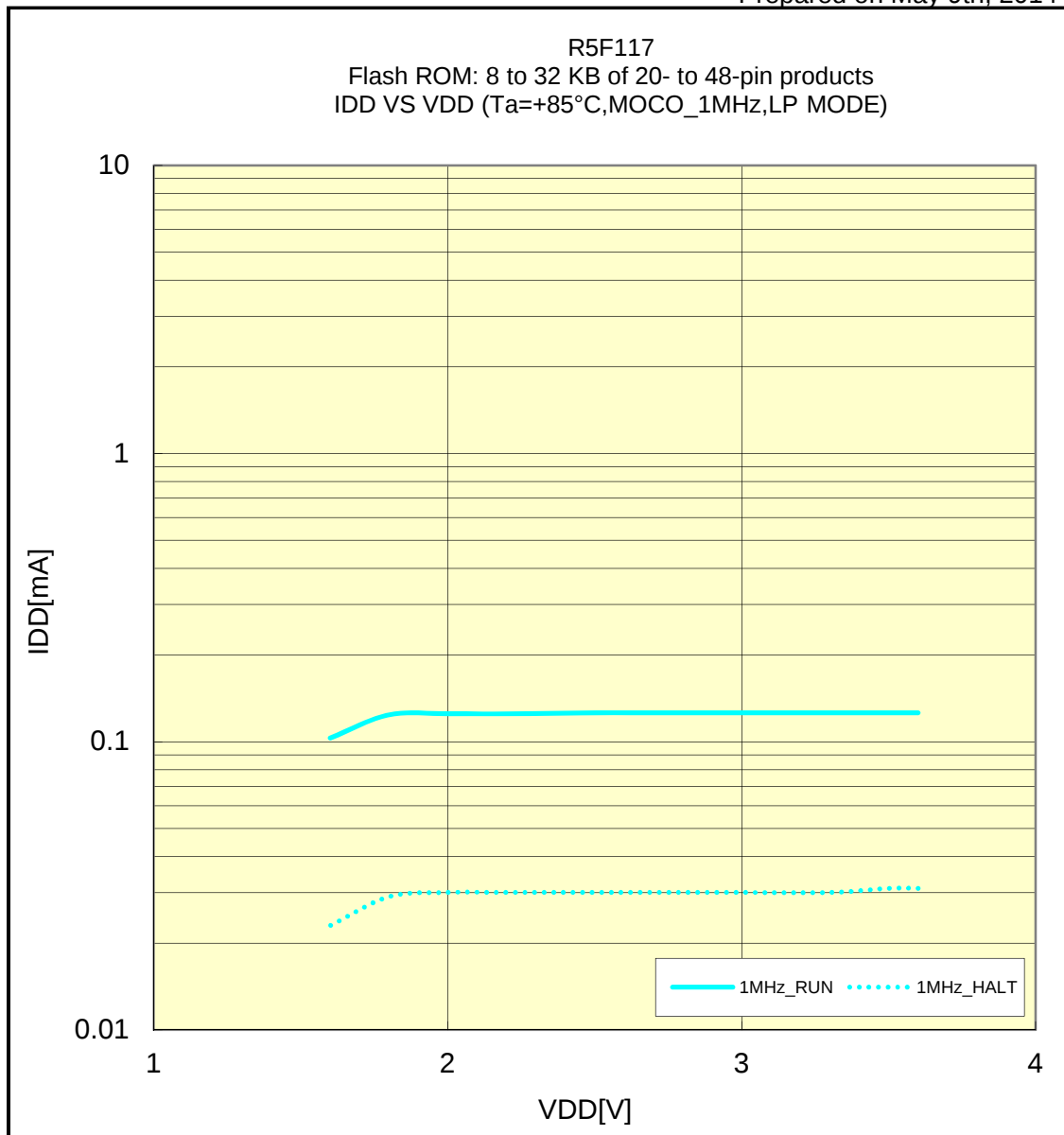
Prepared on May 9th, 2014



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

R5F117**Flash ROM: 8 to 32 KB of 20- to 48-pin products****IDD VS VDD****(+85°C/MOCO_1MHz/LP MODE (MCSEL=1))**

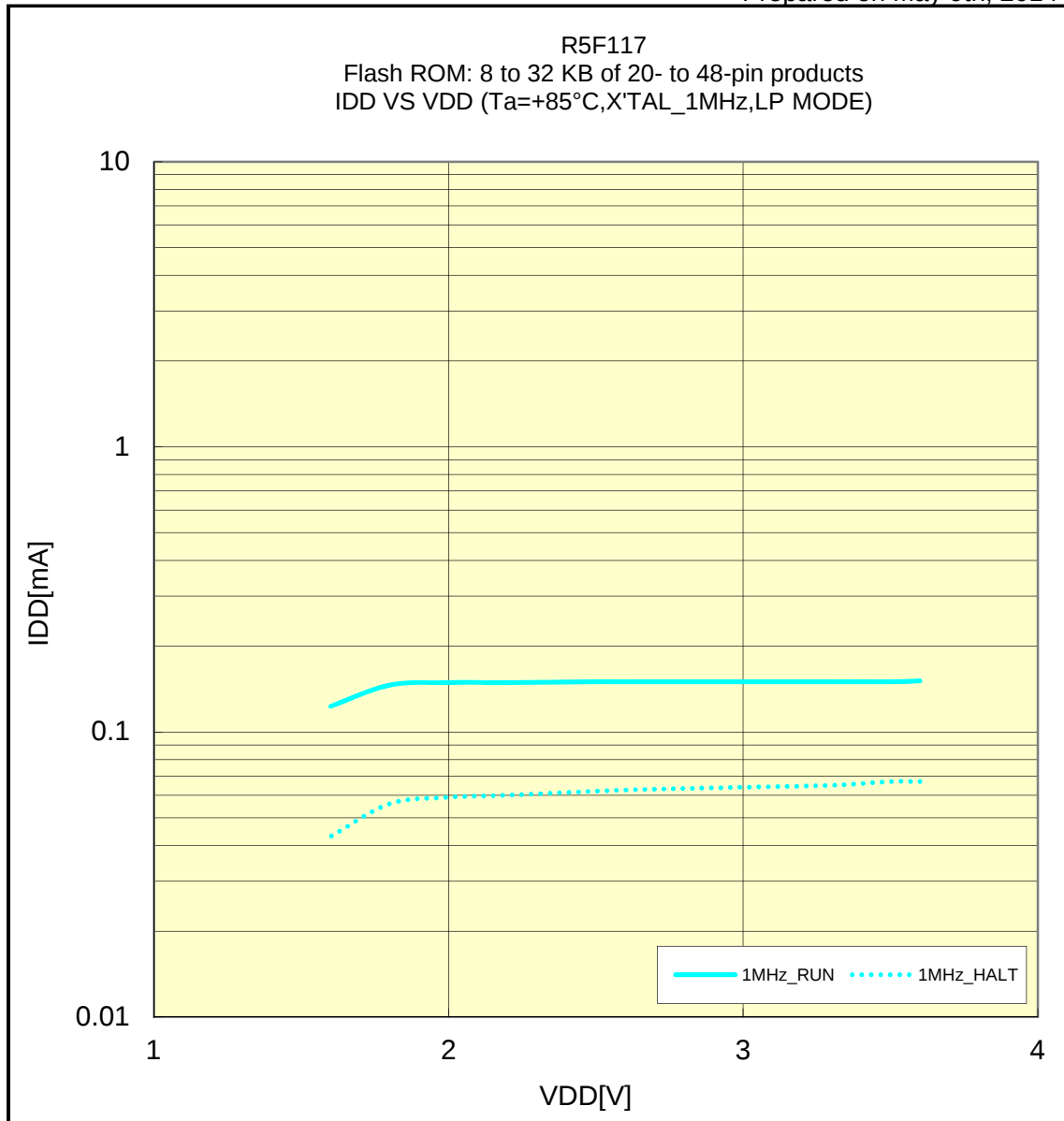
Prepared on May 9th, 2014



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R5F117**Flash ROM: 8 to 32 KB of 20- to 48-pin products****IDD VS VDD****(+85°C/X'TAL_1MHz/LP MODE (MCSEL=1))**

Prepared on May 9th, 2014

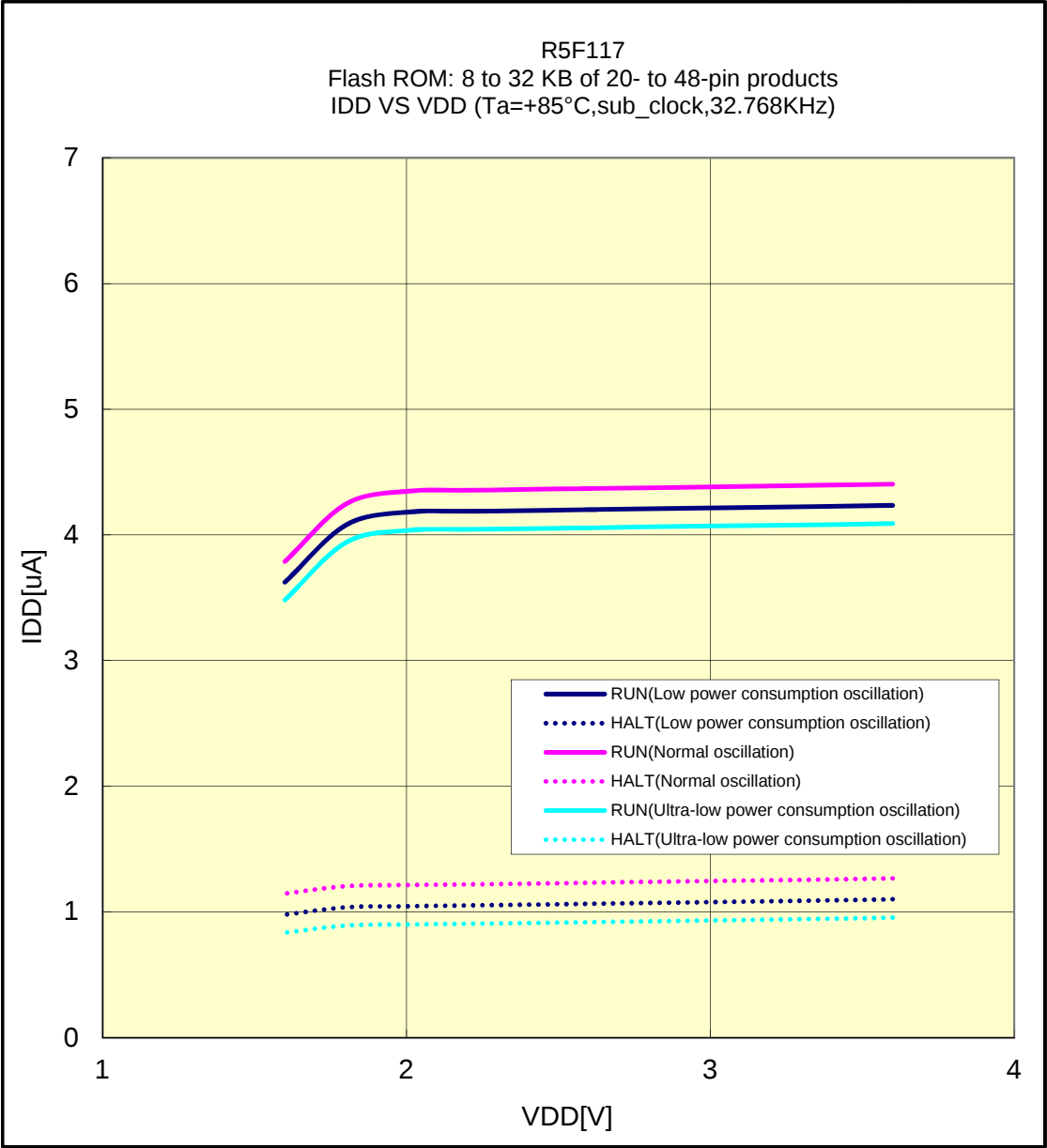


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+85°C/sub_clock/32.768KHz)

Prepared on May 9th, 2014

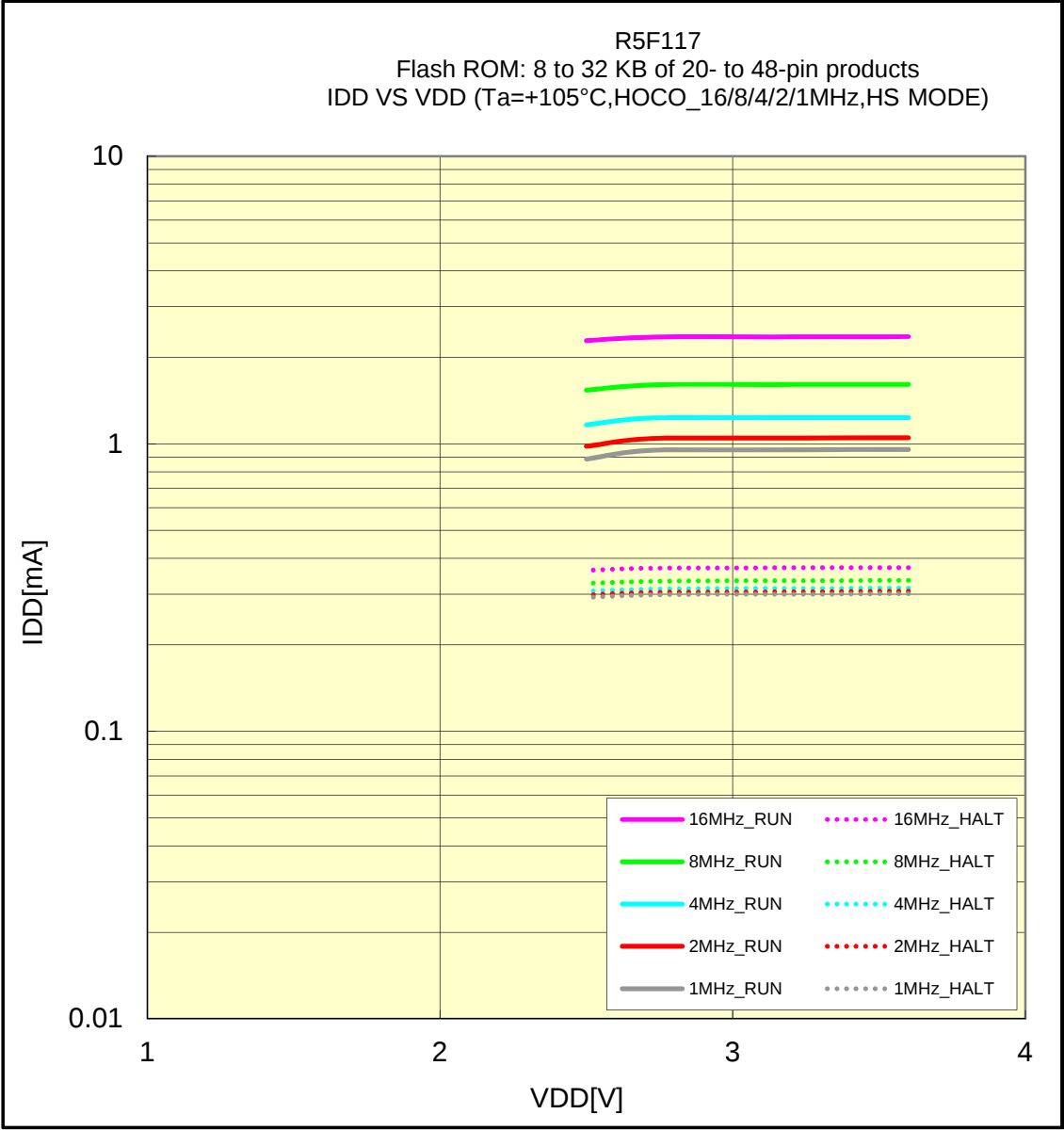


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+105°C/HOCO_16/8/4/2/1MHz/HS MODE)

Prepared on May 9th, 2014

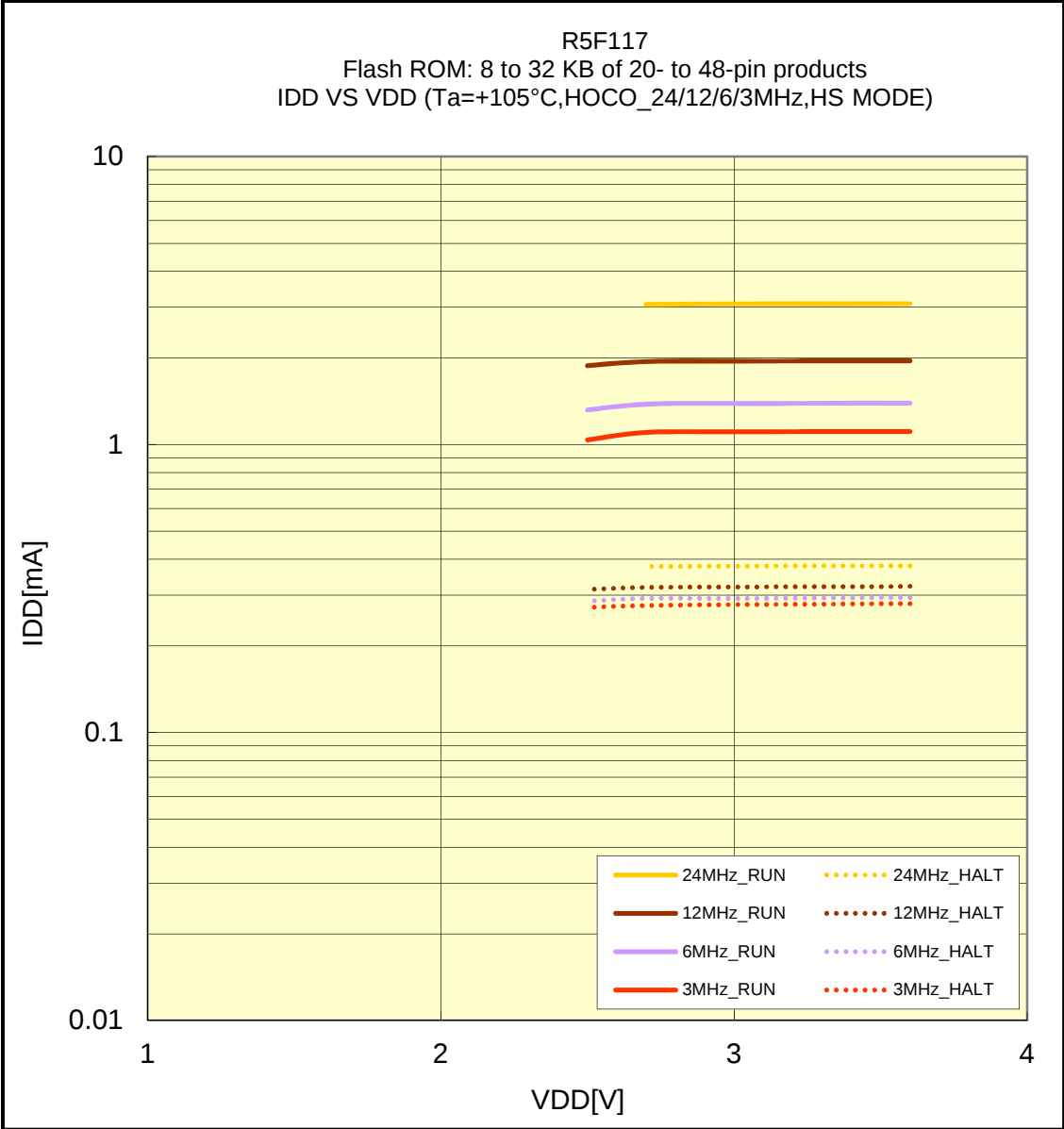


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

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

Prepared on May 9th, 2014

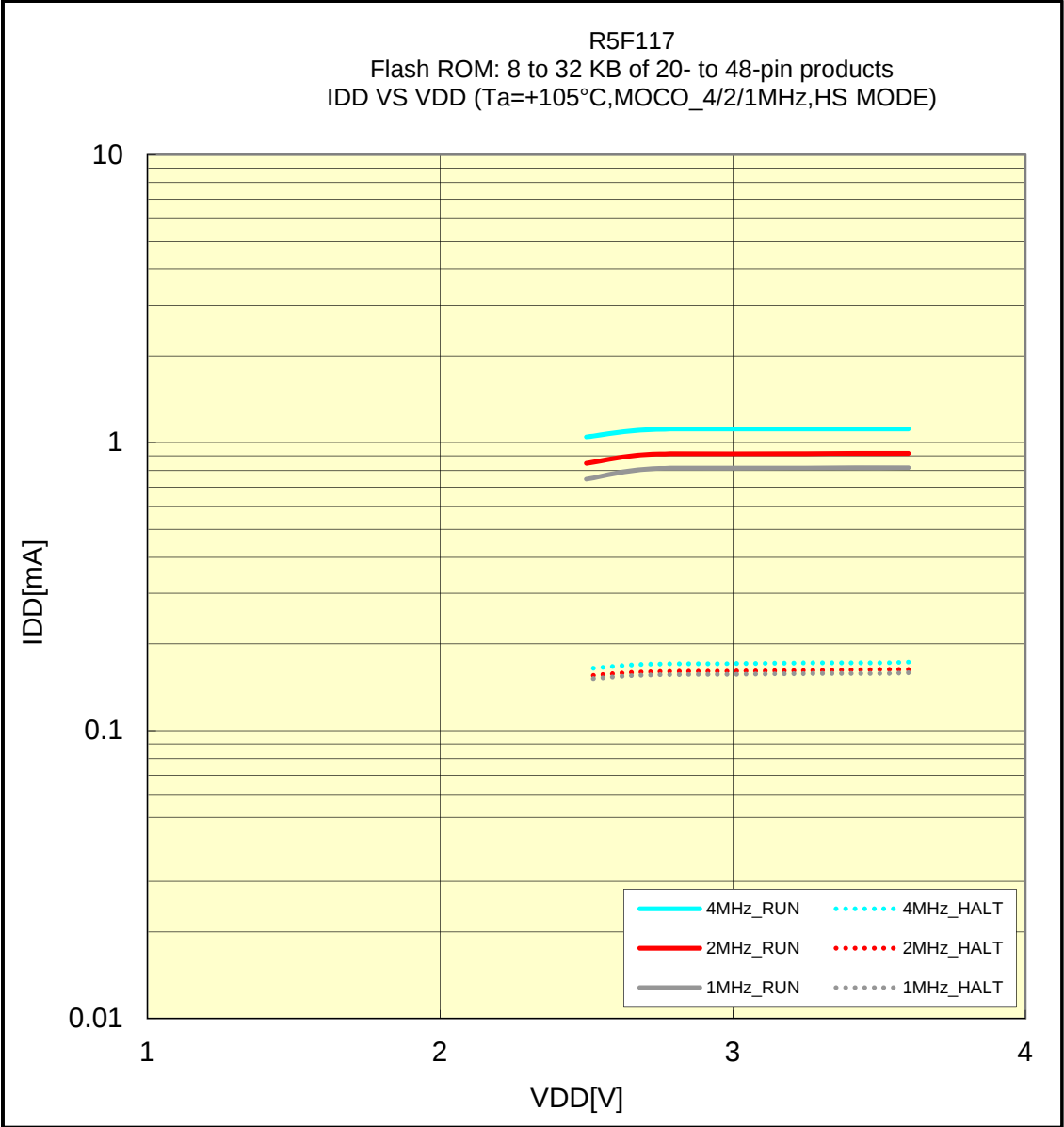


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+105°C/MOCO_4/2/1MHz/HS MODE)

Prepared on May 9th, 2014

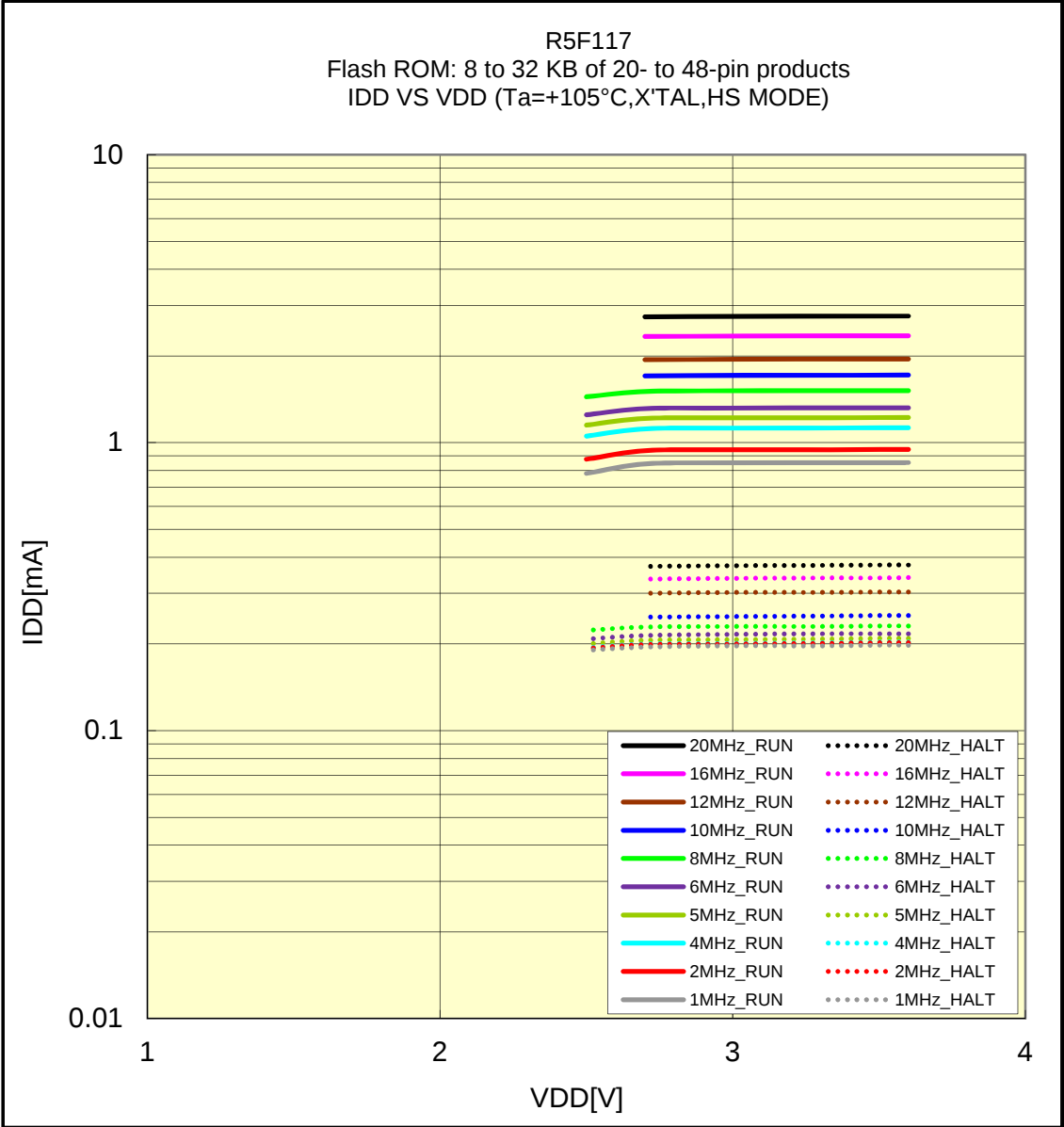


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(+105°C/X'TAL/HS MODE)

Prepared on May 9th, 2014

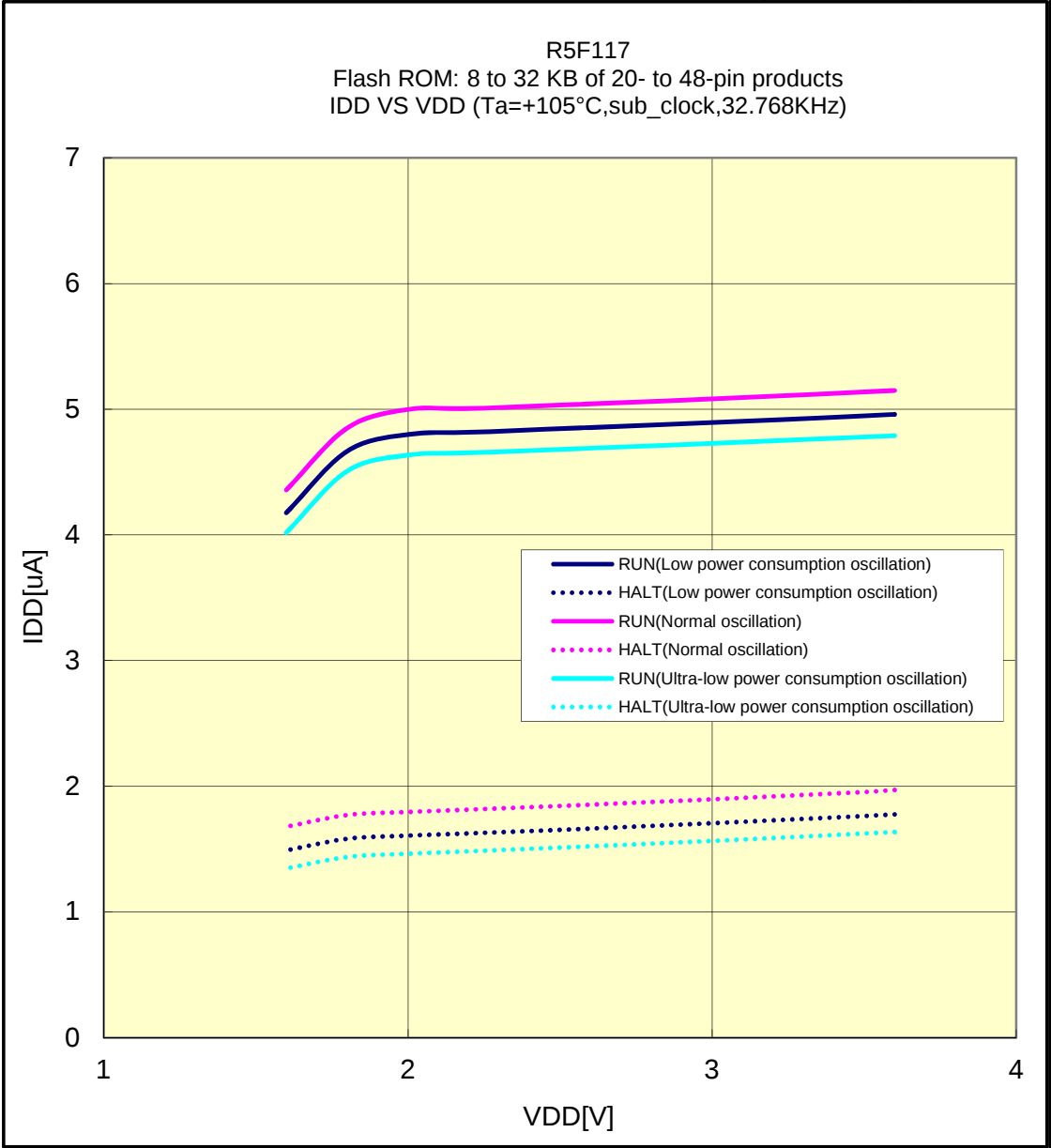


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

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

Prepared on May 9th, 2014

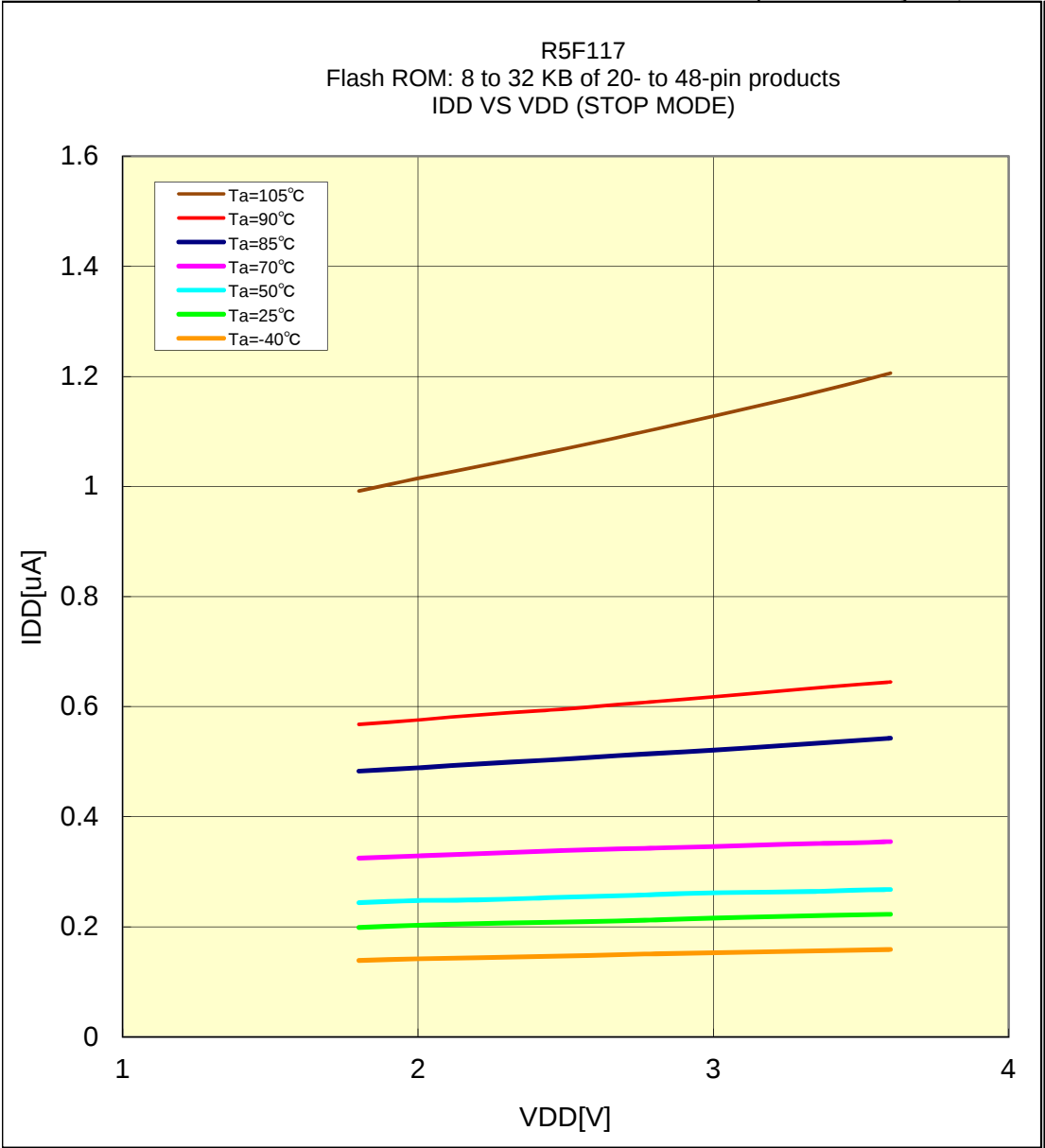


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

R5F117
Flash ROM: 8 to 32 KB of 20- to 48-pin products

IDD VS VDD
(STOP MODE)

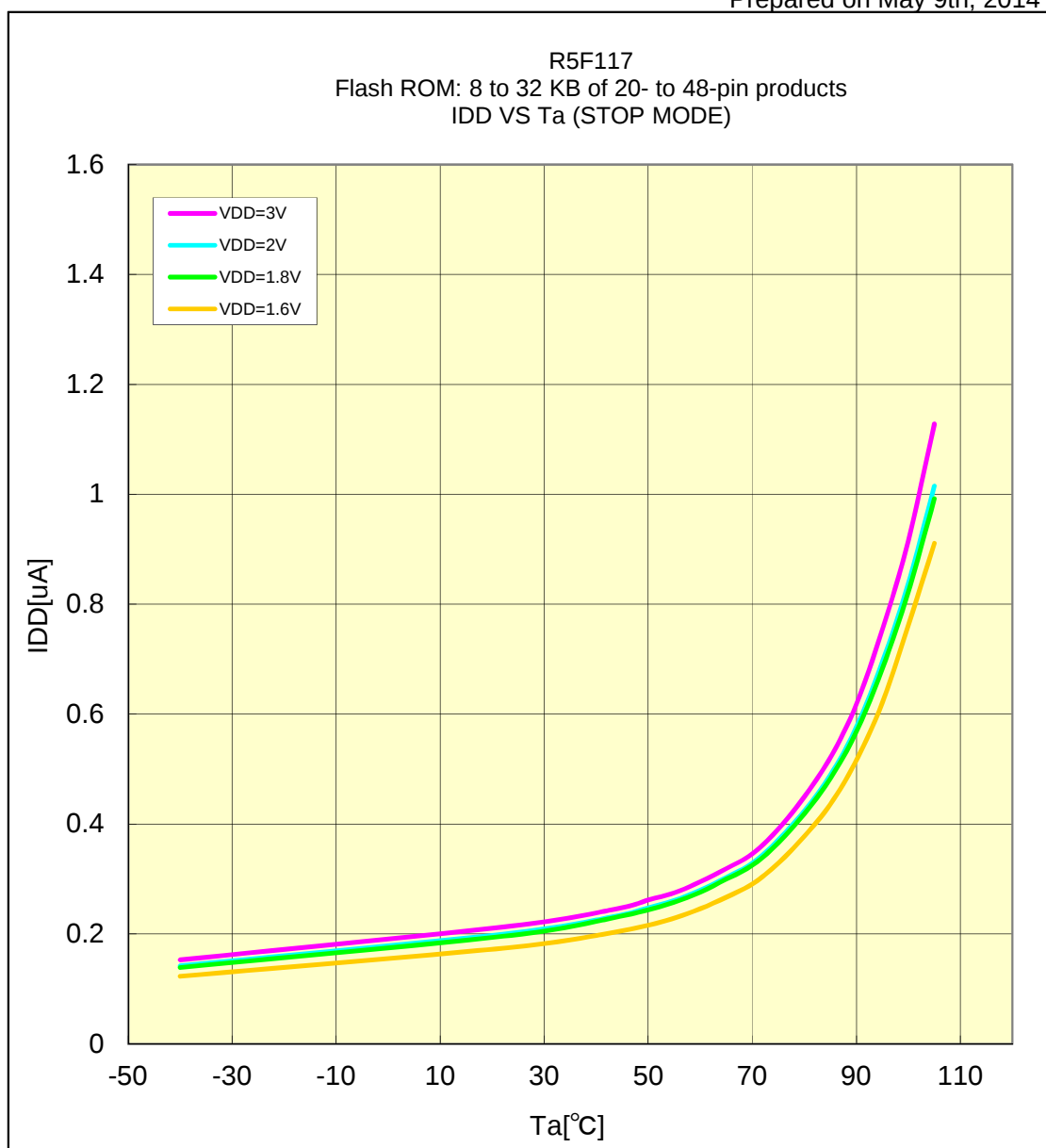
Prepared on May 9th, 2014



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

R5F117**Flash ROM: 8 to 32 KB of 20- to 48-pin products****IDD VS Ta
(STOP MODE)**

Prepared on May 9th, 2014



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