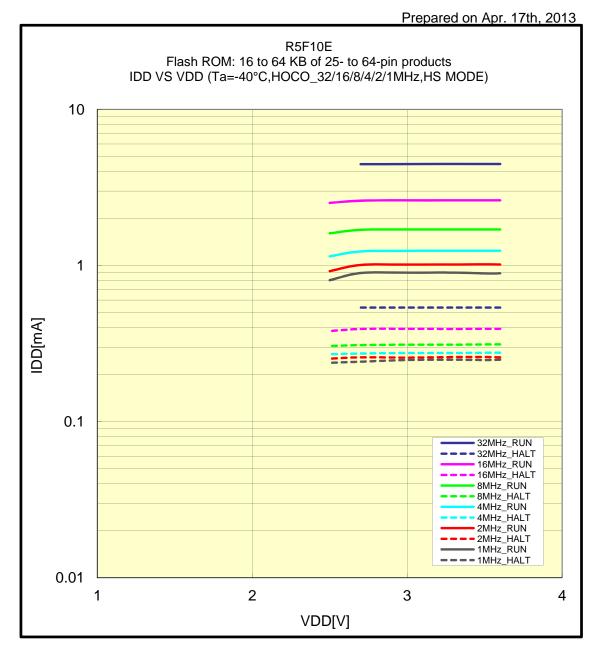
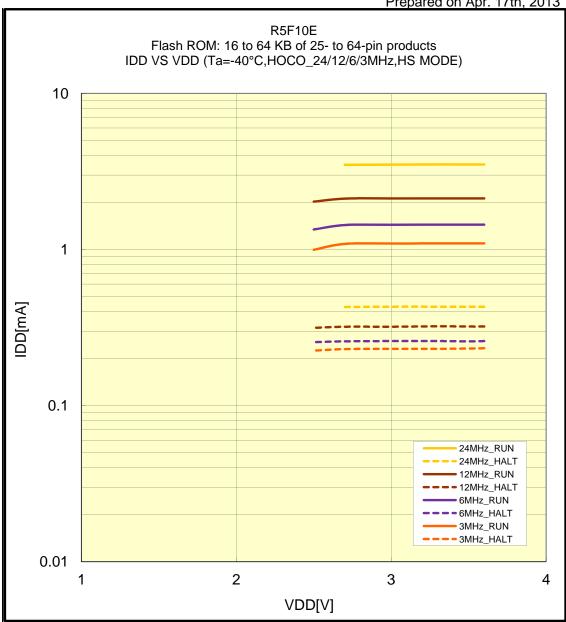
IDD VS VDD(-40°C/HOCO_32/16/8/4/2/1MHz/HS MODE)



IDD VS VDD(-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.

Prepared on Apr. 17th, 2013

IDD VS VDD(-40°C/X'TAL/HS MODE)

R5F10E Flash ROM: 16 to 64 KB of 25- to 64-pin products IDD VS VDD (Ta=-40°C,X'TAL,HS MODE) 10 1 IDD[mA] __________ ================= = = 0.1 20MHz_RUN --- 20MHz_HALT 16MHz_RUN - - 16MHz_HALT 12MHz_RUN 12MHz_HALT 10MHz_RUN 8MHz_RUN - 8MHz HALT 6MHz_RUN - - 6MHz_HALT 5MHz_RUN 4MHz_RUN - 4MHz HALT 2MHz_RUN 1MHz_RUN **— — — —** 1MHz_HALT 0.01 1 2 3 4 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.

Prepared on Mar. 26th, 2013

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

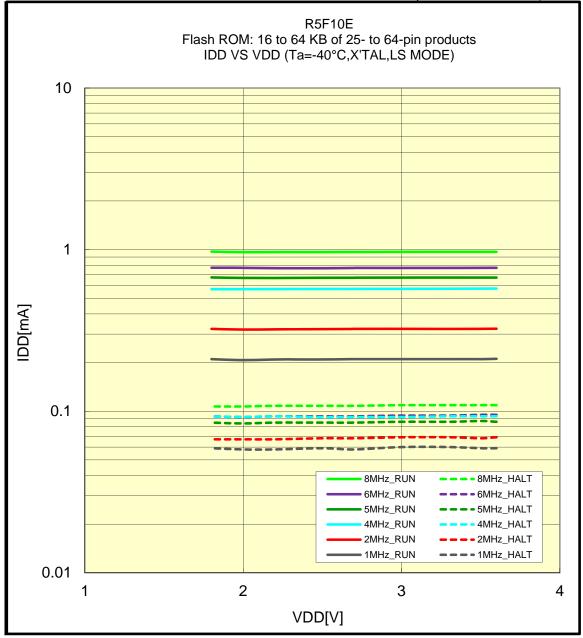
R5F10E Flash ROM: 16 to 64 KB of 25- to 64-pin products IDD VS VDD (Ta=-40°C,HOCO_8/4/2/1MHz,LS MODE) 10 1 [DD[mA] _____ 0.1 8MHz_RUN 8MHz_HALT 4MHz_RUN 4MHz_HALT 2MHz_RUN - 2MHz_HALT - 1MHz_RUN ----IMHz_HALT 0.01 2 3 1 4 VDD[V]

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

Prepared on Mar. 28th, 2013

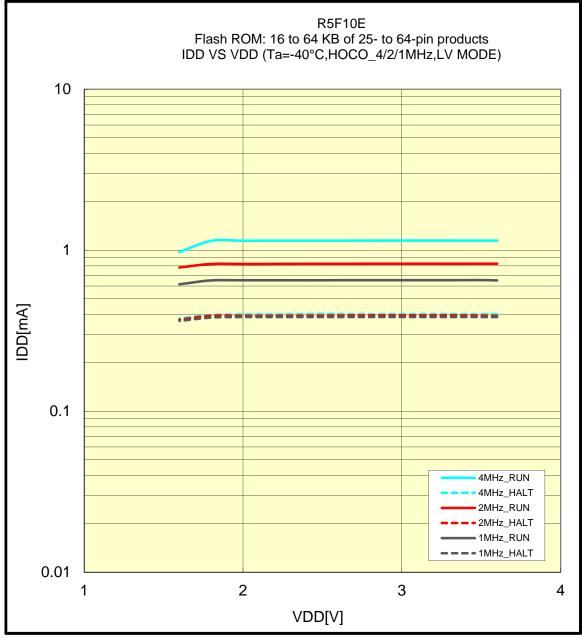
IDD VS VDD(-40°C/X'TAL/LS MODE)

Prepared on Mar. 25th, 2013



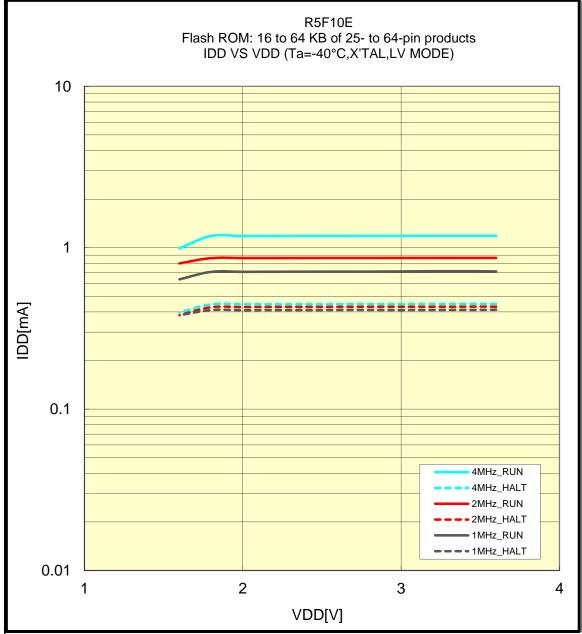
IDD VS VDD(-40°C/HOCO_4/2/1MHz/LV MODE)

Prepared on Apr. 17th, 2013



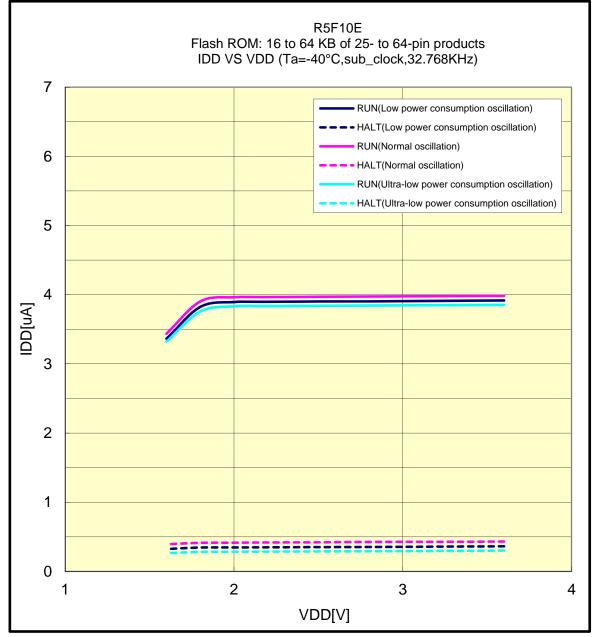
IDD VS VDD(-40°C/X'TAL/LV MODE)

Prepared on Mar. 25th, 2013

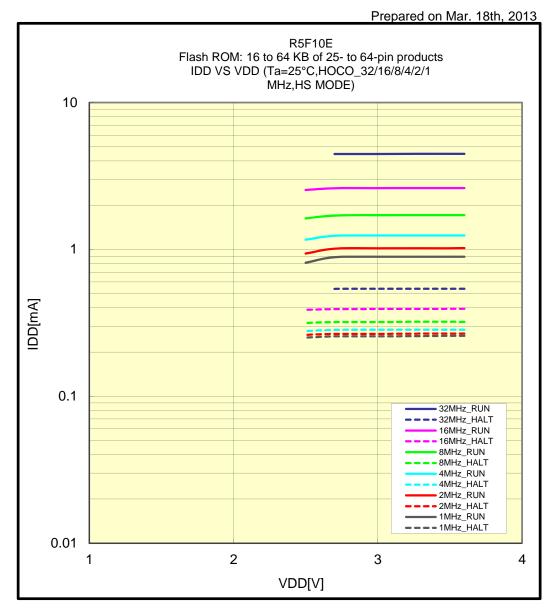


IDD VS VDD(-40°C/sub_clock/32.768KHz)

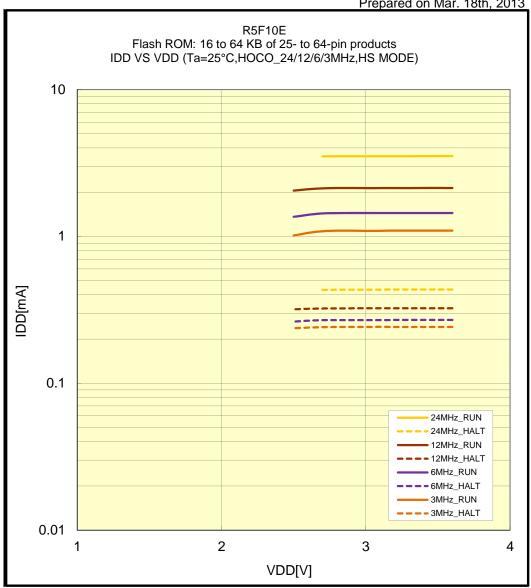
Prepared on Mar. 29th, 2013



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



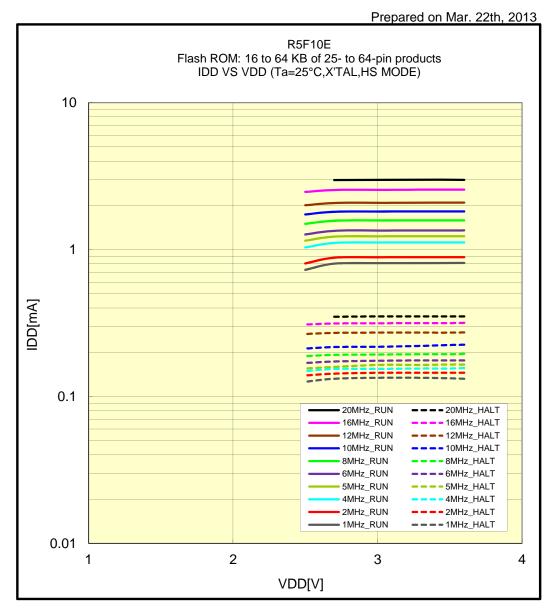
IDD VS VDD(25°C/HOCO_24/12/6/3MHz/HS MODE)



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

Prepared on Mar. 18th, 2013

IDD VS VDD(25°C/X'TAL/HS MODE)



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

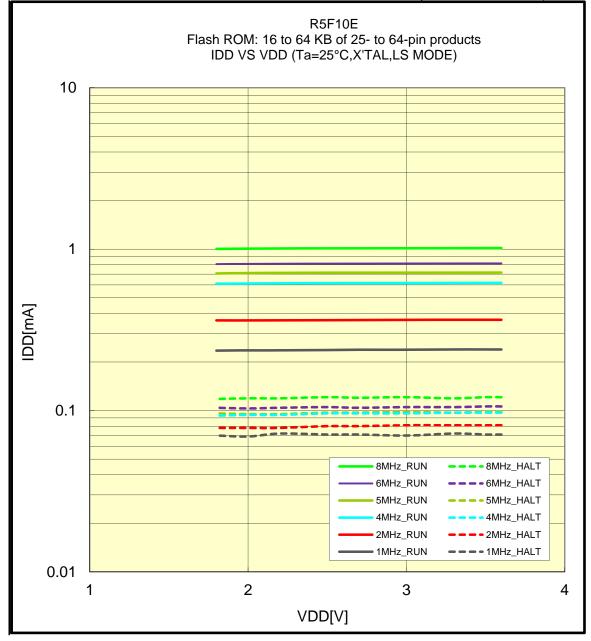
R5F10E Flash ROM: 16 to 64 KB of 25- to 64-pin products IDD VS VDD (Ta=25°C,HOCO_8/4/2/1MHz,LS MODE) 10 1 IDD[mA] 0.1 8MHz_RUN - 8MHz_HALT 4MHz_RUN 4MHz_HALT 2MHz_RUN • = 2MHz_HALT = 1MHz_RUN 0.01 2 3 4 1 VDD[V]

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

Prepared on Mar. 15th, 2013

IDD VS VDD(25°C/X'TAL/LS MODE)

Prepared on Mar. 21th, 2013



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

R5F10E Flash ROM: 16 to 64 KB of 25- to 64-pin products IDD VS VDD (Ta=25°C,HOCO_4/2/1MHz,LV MODE) 10 1 IDD[mA] 0.1 4MHz_RUN 4MHz_HALT 2MHz_RUN - 2MHz_HALT = 1MHz_RUN **— — — –** 1MHz_HALT 0.01 2 3 1 4 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.

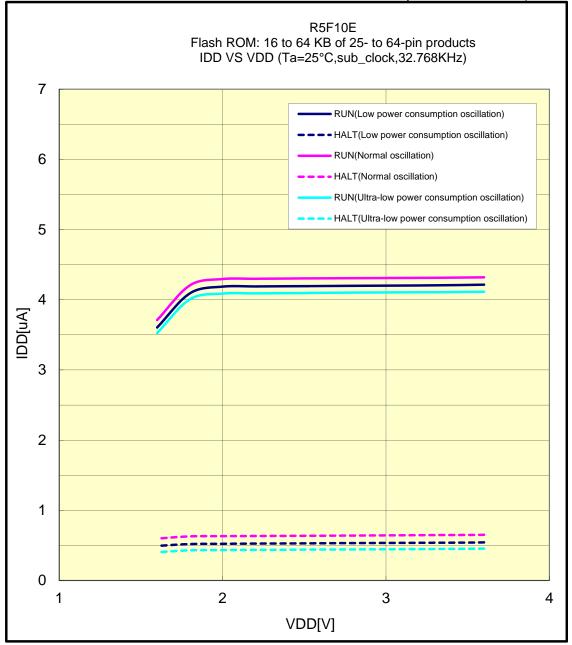
Prepared on Mar. 15th, 2013

IDD VS VDD(25°C/X'TAL/LV MODE)

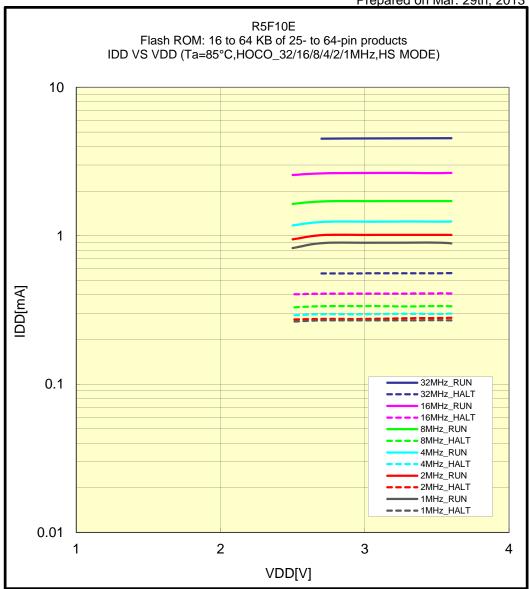
Prepared on Mar. 21th, 2013 **R5F10E** Flash ROM: 16 to 64 KB of 25- to 64-pin products IDD VS VDD (Ta=25°C,X'TAL,LV MODE) 10 1 IDD[mA] ____ 0.1 4MHz_RUN 4MHz_HALT 2MHz_RUN 2MHz_HALT = 1MHz_RUN 0.01 2 3 1 4 VDD[V]

IDD VS VDD(25°C/sub_clock/32.768KHz)

Prepared on Mar. 19th, 2013



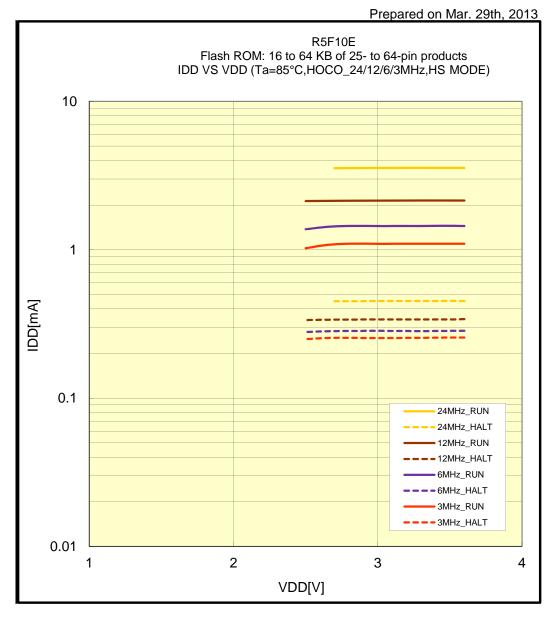
IDD VS VDD(85°C/HOCO_32/16/8/4/2/1MHz/HS MODE)



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

Prepared on Mar. 29th, 2013

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



IDD VS VDD(85°C/X'TAL/HS MODE)

R5F10E Flash ROM: 16 to 64 KB of 25- to 64-pin products IDD VS VDD (Ta=85°C,X'TAL,HS MODE) 10 1 IDD[mA] _____ ----0.1 20MHz_RUN ----20MHz_HALT 16MHz_RUN 12MHz_RUN 10MHz_RUN ----10MHz_HALT 8MHz_RUN 6MHz_RUN ----6MHz_HALT 5MHz_RUN 4MHz_RUN - - - 4MHz_HALT ---- 2MHz_HALT 2MHz_RUN = 1MHz_RUN ----IMHz_HALT 0.01 2 3 4 1 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.

Prepared on Mar. 27th, 2013

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

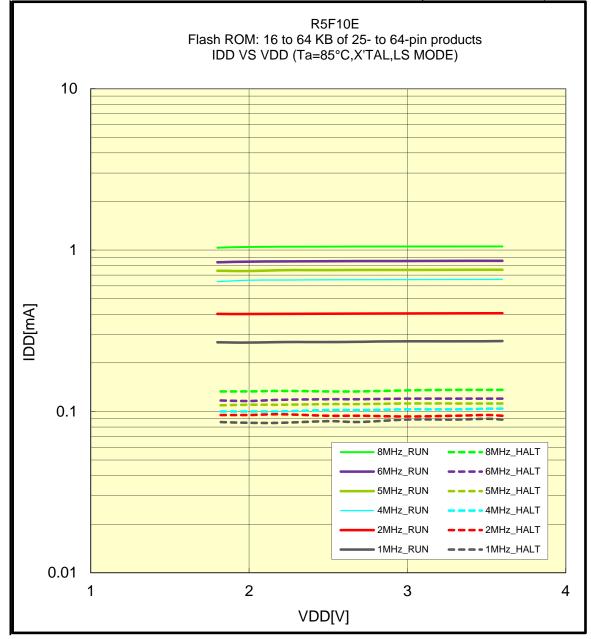
R5F10E Flash ROM: 16 to 64 KB of 25- to 64-pin products IDD VS VDD (Ta=85°C,HOCO_8/4/2/1MHz,LS MODE) 10 1 IDD[mA] _____ 0.1 8MHz RUN 8MHz_HALT 4MHz_RUN 4MHz_HALT 2MHz_RUN - 2MHz_HALT - 1MHz_RUN = = = 1MHz_HALT 0.01 2 3 1 4 VDD[V]

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

Prepared on Mar. 29th, 2013

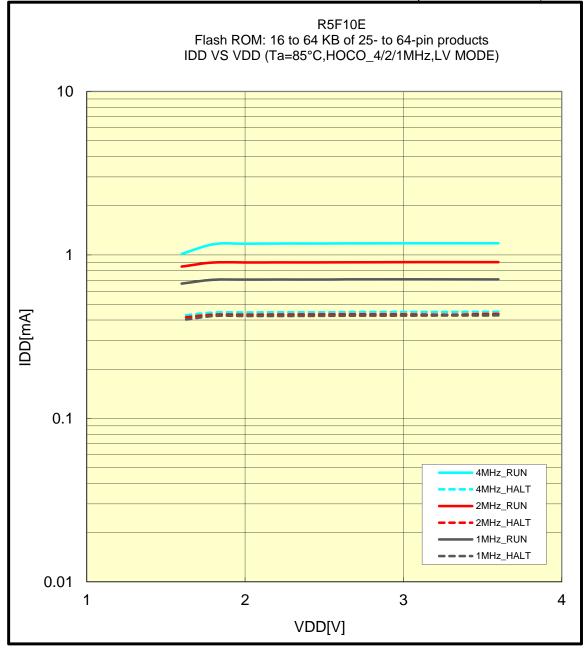
IDD VS VDD(85°C/X'TAL/LS MODE)

Prepared on Mar. 27th, 2013



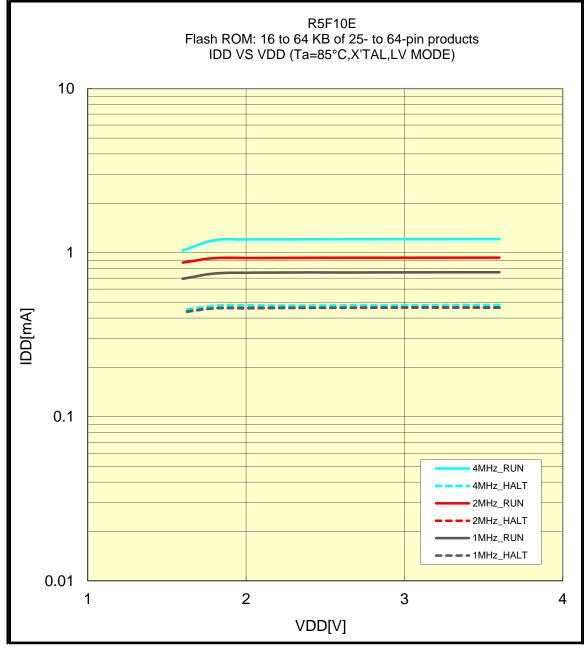
IDD VS VDD(85°C/HOCO_4/2/1MHz/LV MODE)

Prepared on Mar. 28th, 2013



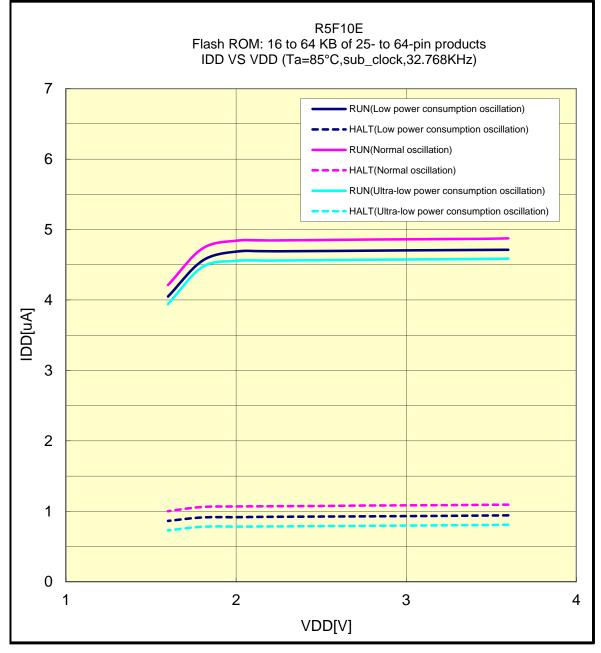
IDD VS VDD(85°C/X'TAL/LV MODE)

Prepared on Mar. 27th, 2013

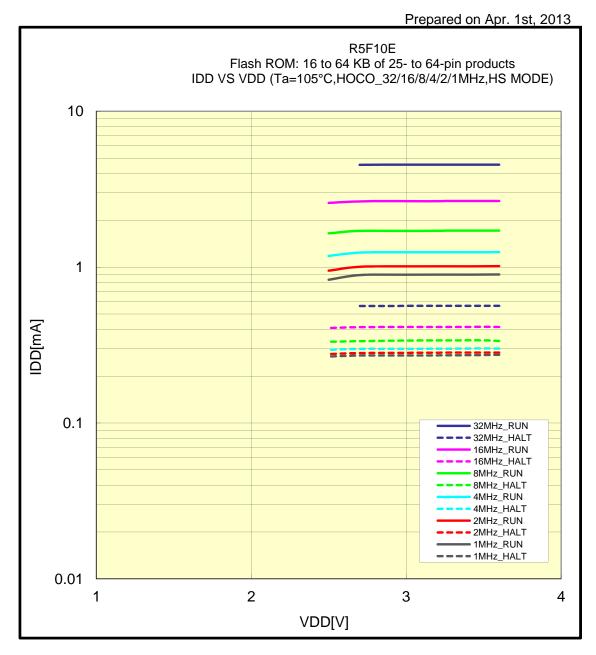


IDD VS VDD(85°C/sub_clock/32.768KHz)

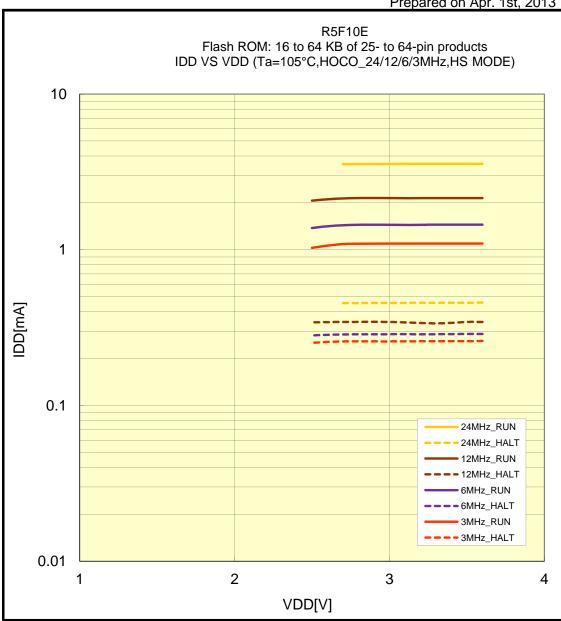
Prepared on Mar. 29th, 2013



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



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

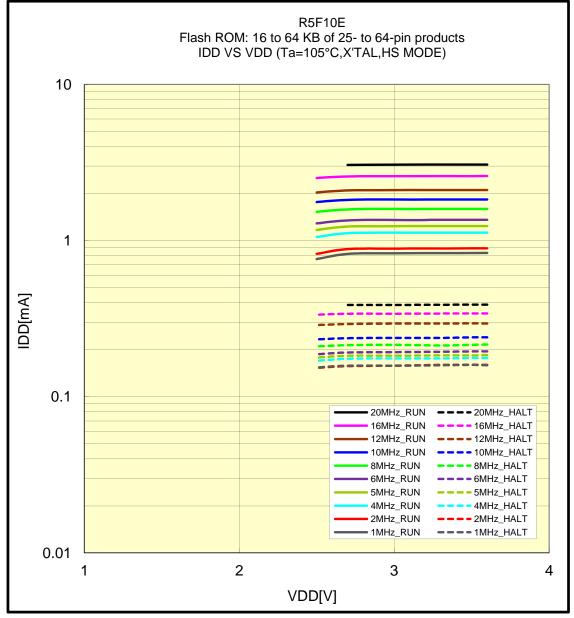


The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

Prepared on Apr. 1st, 2013

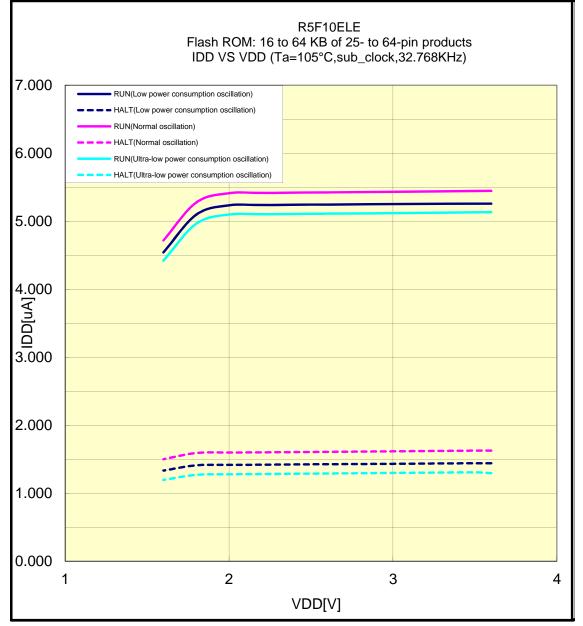
IDD VS VDD(105°C/X'TAL/HS MODE)

Prepared on Apr. 2nd, 2013



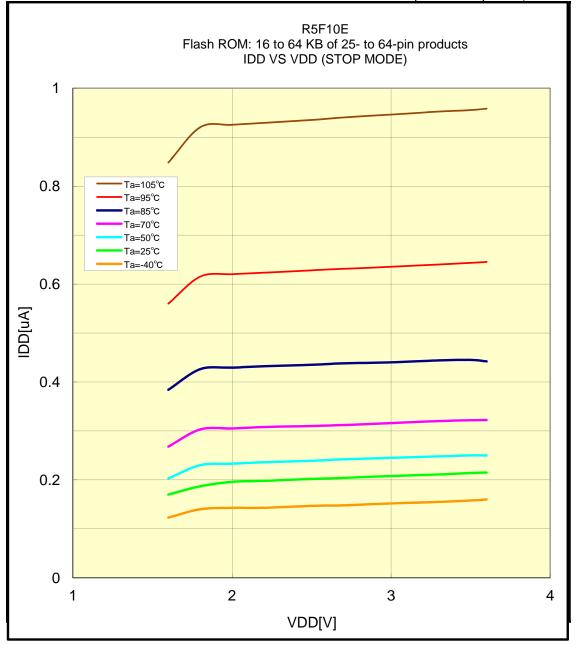
IDD VS VDD(105°C/sub_clock/32.768KHz)

Prepared on Mar. 29th, 2013



IDD VS VDD(STOP MODE)

Prepared on Apr. 3rd, 2013



IDD VS Ta(STOP MODE)

Prepared on Apr. 3rd, 2013

