R5F104
Flash ROM: 96 to 256 KB of 30- to 100-pin products

IDD VS VDD(-40°C/HOCO_64/32/16/8/4/2/1MHz/HS MODE)

Prepared on Mar. 26th, 2014

Maximum operation frequency of CPU is 32MHz. 64MHz can be used for timer RD.

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.
R5F104
Flash ROM: 96 to 256 KB of 30- to 100-pin products

IDD VS VDD(-40°C/HOCO_48/24/12/6/3MHz/HS MODE)

Prepared on Mar. 26th, 2014

Maximum operation frequency of CPU is 32MHz. 48MHz can be used for timer RD.

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R5F104
Flash ROM: 96 to 256 KB of 30- to 100-pin products

IDD VS VDD(-40°C/X'TAL/HS MODE)

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R5F104
Flash ROM: 96 to 256 KB of 30- to 100-pin products

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

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Flash ROM: 96 to 256 KB of 30- to 100-pin products

IDD VS VDD(-40°C/X'TAL/LV MODE)

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R5F104
Flash ROM: 96 to 256 KB of 30- to 100-pin products

IDD VS VDD(-40°C/sub_clock/32.768KHz)

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R5F104
Flash ROM: 96 to 256 KB of 30- to 100-pin products

**IDD VS VDD(+25°C/HOCO_64/32/16/8/4/2/1MHz/HS MODE)**

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R5F104
Flash ROM: 96 to 256 KB of 30- to 100-pin products

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

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R5F104
Flash ROM: 96 to 256 KB of 30- to 100-pin products

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

Prepared on Mar. 26th, 2014

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R5F104
Flash ROM: 96 to 256 KB of 30- to 100-pin products

IDD VS VDD (+25°C/X'TAL/LV MODE)

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Flash ROM: 96 to 256 KB of 30- to 100-pin products

IDD VS VDD(+25°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.
R5F104
Flash ROM: 96 to 256 KB of 30- to 100-pin products

**IDD VS VDD(+85°C/HOCO_64/32/16/8/4/2/1MHz/HS MODE)**

Maximum operation frequency of CPU is 32MHz. 64MHz can be used for timer RD.

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R5F104
Flash ROM: 96 to 256 KB of 30- to 100-pin products

Maximum operation frequency of CPU is 32MHz. 48MHz can be used for timer RD.

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.
R5F104
Flash ROM: 96 to 256 KB of 30- to 100-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.
R5F104
Flash ROM: 96 to 256 KB of 30- to 100-pin products

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

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R5F104
Flash ROM: 96 to 256 KB of 30- to 100-pin products

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

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R5F104
Flash ROM: 96 to 256 KB of 30- to 100-pin products

IDD VS VDD (+85°C/X‘TAL/LV MODE)

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R5F104
Flash ROM: 96 to 256 KB of 30- to 100-pin products

IDD VS VDD(+85°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.
R5F104 for the products "G: Industrial applications"
Flash ROM: 96 to 256 KB of 30- to 100-pin products

IDD VS VDD(+105°C/HOCO_64/32/16/8/4/2/1MHz/HS MODE)

Maximum operation frequency of CPU is 32MHz. 64MHz can be used for timer RD.

The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.
R5F104 for the products "G: Industrial applications"
Flash ROM: 96 to 256 KB of 30- to 100-pin products

**IDD VS VDD(+105°C/HOCO_48/24/12/6/3MHz/HS MODE)**

Maximum operation frequency of CPU is 32MHz. 48MHz can be used for timer RD.

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R5F104 for the products "G: Industrial applications"
Flash ROM: 96 to 256 KB of 30- to 100-pin products

IDD VS VDD(+105°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.
R5F104 for the products "G: Industrial applications"
Flash ROM: 96 to 256 KB of 30- to 100-pin products

IDD VS VDD(+105°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.
R5F104 for the products "G: Industrial applications"
Flash ROM: 96 to 256 KB of 30- to 100-pin products

**IDD VS VDD (STOP MODE)**

![Graph showing IDD vs VDD for different temperatures](image)

Prepared on Mar. 26th, 2014

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R5F104 for the products "G: Industrial applications"
Flash ROM: 96 to 256 KB of 30- to 100-pin products

IDD VS Ta (STOP 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.