1. Icc VS f(XIN) (High-speed clock mode) Topr= 25 degrees C Vcc=5V
2. Icc VS f(XIN) (High-speed clock mode) Topr= 85 degrees C Vcc=5V
3. Icc VS f(XIN) (High-speed clock mode) Topr= -40 degrees C Vcc=5V
4. Icc VS f(XIN) (High-speed clock mode) Topr= 25 degrees C Vcc=3V
5. Icc VS f(XIN) (High-speed clock mode) Topr= 85 degrees C Vcc=3V
6. Icc VS f(XIN) (High-speed clock mode) Topr= -40 degrees C Vcc=3V
7. Icc VS f(XIN) (High-speed clock mode) Topr= 25 degrees C Vcc=1.8V
8. Icc VS f(XIN) (High-speed clock mode) Topr= 85 degrees C Vcc=1.8V
9. Icc VS f(XIN) (High-speed clock mode) Topr= -40 degrees C Vcc=1.8V
10. Icc VS Topr (Low-speed on-chip oscillator mode)
11. Icc VS Topr (Stop mode)
12. Icc VS Topr (Low-speed on-chip oscillator wait mode) Peripheral clock operation
13. Icc VS Topr (Low-speed on-chip oscillator wait mode) Peripheral clock off
14. Icc VS Topr (Xin wait mode) SCU on
15. Icc VS Topr (High-speed on-chip oscillator wait mode) SCU on
16. Icc VS Topr (High-speed clock mode) Vcc=5V
17. Icc VS Topr (High-speed clock mode) Vcc=3V
18. Icc VS Topr (High-speed clock mode) Vcc=1.8V
19. Icc VS Topr (High-speed on-chip oscillator mode) Vcc=5V
20. Icc VS Topr (High-speed on-chip oscillator mode) Vcc=3V
21. Icc VS Topr (High-speed on-chip oscillator mode) Vcc=1.8V
22. Icc VS Vcc (Low-speed on-chip oscillator mode)
23. Icc VS Vcc (Stop mode)
24. Icc VS Vcc (Low-speed on-chip oscillator wait mode) Peripheral clock operation
25. Icc VS Vcc (Low-speed on-chip oscillator wait mode) Peripheral clock off
26. Icc VS Vcc (Xin wait mode) SCU on
27. Icc VS Vcc (High-speed on-chip oscillator wait mode) SCU on
28. Icc VS Vcc (High-speed clock mode) XIN = 20MHz No division
29. Icc VS Vcc (High-speed clock mode) XIN = 20MHz Division-by-8
30. Icc VS Vcc (High-speed clock mode) XIN = 16MHz No division
31. Icc VS Vcc (High-speed clock mode) XIN = 16MHz Division-by-8
32. Icc VS Vcc (High-speed clock mode) XIN = 10MHz No division
33. Icc VS Vcc (High-speed clock mode) XIN = 10MHz Division-by-8
34. Icc VS Vcc (High-speed clock mode) XIN = 5MHz No division
35. Icc VS Vcc (High-speed clock mode) XIN = 5MHz Division-by-8
36. Icc VS Vcc (High-speed on-chip oscillator mode) High-speed on-chip oscillator = 20MHz No division
37. Icc VS Vcc (High-speed on-chip oscillator mode) High-speed on-chip oscillator = 20MHz Division-by-8
38. Icc VS Vcc (High-speed on-chip oscillator mode) High-speed on-chip oscillator = 10MHz No division
39. Icc VS Vcc (High-speed on-chip oscillator mode) High-speed on-chip oscillator = 10MHz Division-by-8
40. Icc VS Vcc (High-speed on-chip oscillator mode) High-speed on-chip oscillator = 5MHz No division
41. Icc VS Vcc (High-speed on-chip oscillator mode) High-speed on-chip oscillator = 5MHz Division-by-8
42. Icc VS Vcc (High-speed on-chip oscillator mode) High-speed on-chip oscillator = 4MHz Division-by-16
43. Aicc VS Avcc
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R8C/33T Group
Vcc=3V
Topr=25degrees C
High-speed on-chip oscillator off
Low-speed on-chip oscillator on = 125 kHz
Sensor Control Unit on
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Icc vs Topr
(Low-Speed On-Chip Oscillator mode)

- R8C/33T Group
- Divide-by-8
- XIN clock off
- High-speed on-chip oscillator off
- Low-speed on-chip oscillator on = 125 kHz
- FMR27 = 1, VCA20 = 0

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R8C/33T Group
XIN clock off
High-speed on-chip oscillator 5MHz
Low-speed on-chip oscillator on = 125 kHz
While a WAIT instruction is executed
Peripheral clock operation
VCA27 = VCA26 = VCA25 = VCA20 = 0
Sensor Control Unit on

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Icc VS Topr
(High-speed on-chip oscillator mode)

R8C/33T Group
Vcc=1.8V
XIN clock off
High-speed on-chip oscillator on
Low-speed on-chip oscillator on = 125 kHz
Sensor Control Unit on

fOCO=5MHz no division
fOCO=5MHz divide-by-8
fOCO=4MHz divide-by-16 MSTTRC = 1

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Icc vs Vcc
(High-speed clock mode)

R8C/33T Group
XIN = 16 MHz (square wave)
High-speed on-chip oscillator off
Low-speed on-chip oscillator on = 125 kHz
Divide-by-8
Sensor Control Unit on

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Icc VS Vcc
(High-speed on-chip oscillator mode)

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Icc VS Vcc
(High-speed on-chip oscillator mode)

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**Icc VS Vcc**  
*(High-speed on-chip oscillator mode)*

R8C/33T Group  
XIN clock off  
High-speed on-chip oscillator on = 4MHz  
Low-speed on-chip oscillator on = 125 kHz  
Divide-by-16  
MSTTRC = 1  
Sensor Control Unit on  

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