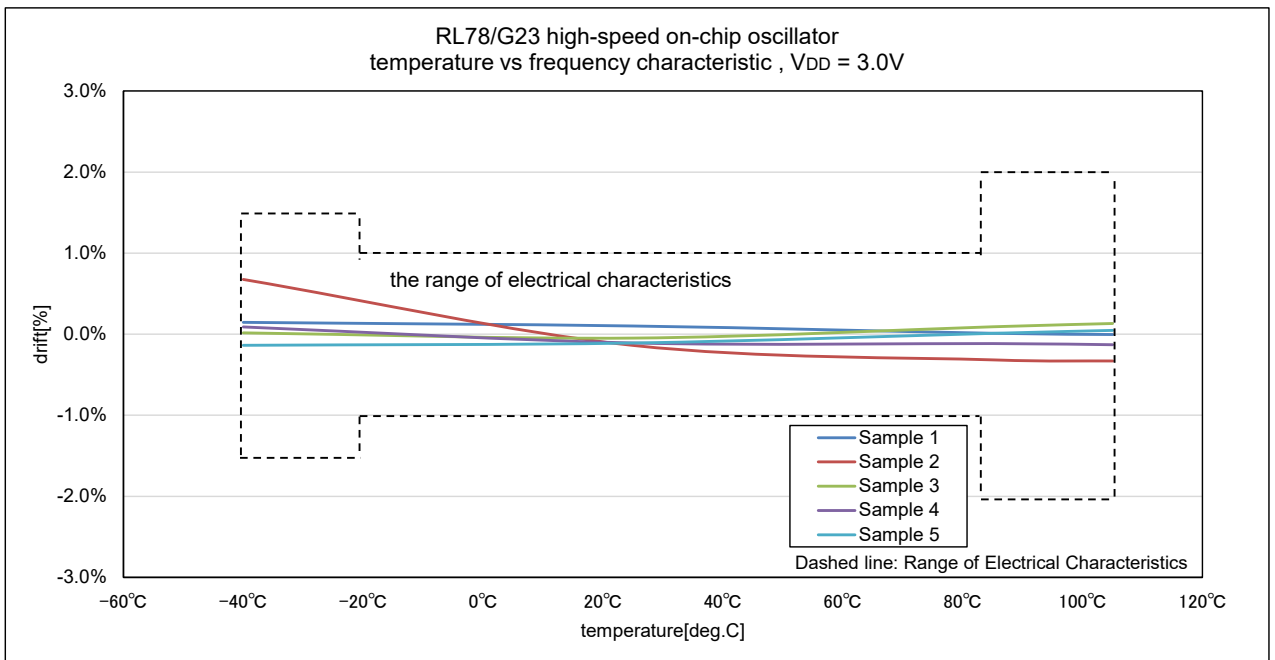
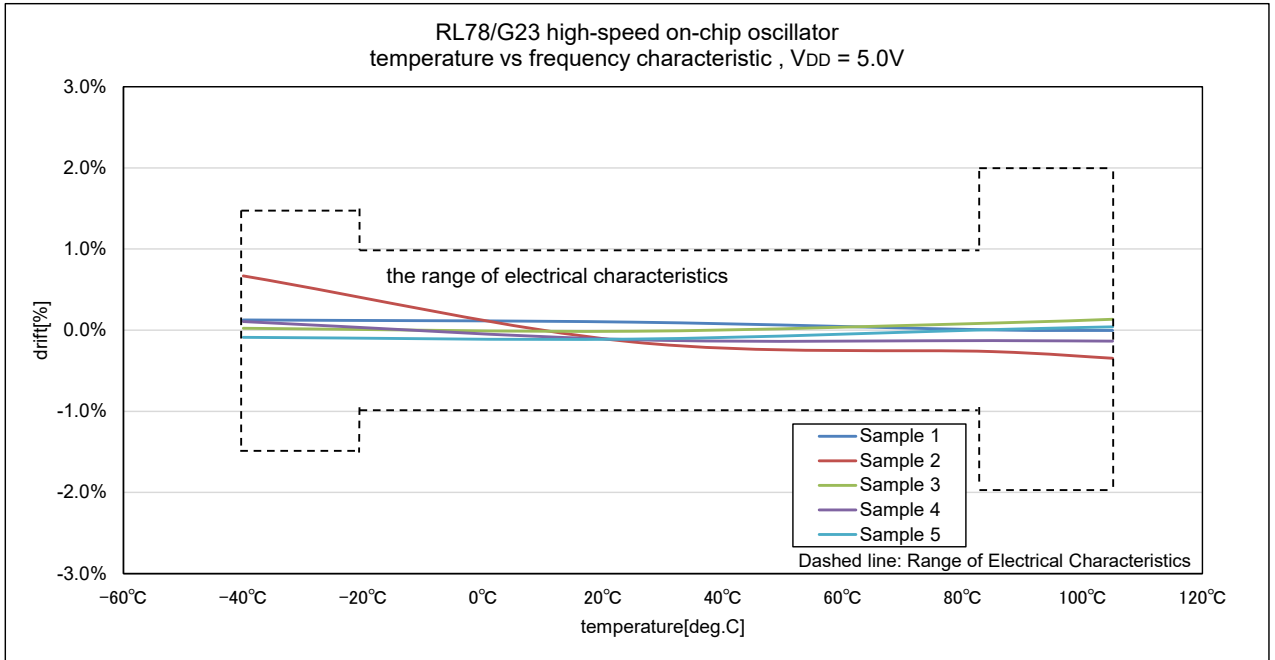


RL78/G23 group

High-speed on-chip oscillator temperature vs frequency characteristic

$V_{DD} = EV_{DD0} = EV_{DD1} = 5.0\text{ V}, 3.0\text{ V}$
 $T_A = -40^\circ\text{C to } +105^\circ\text{C}$
 High-speed on-chip oscillator = 32 MHz

Prepared on February 22nd, 2023

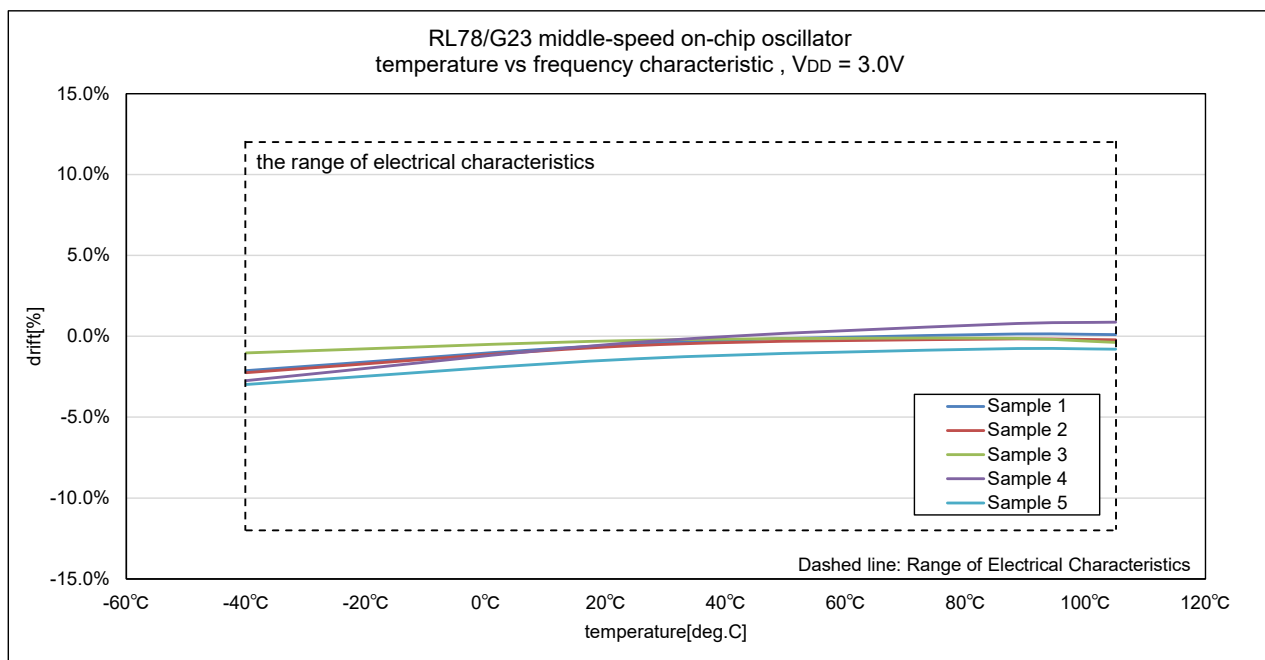
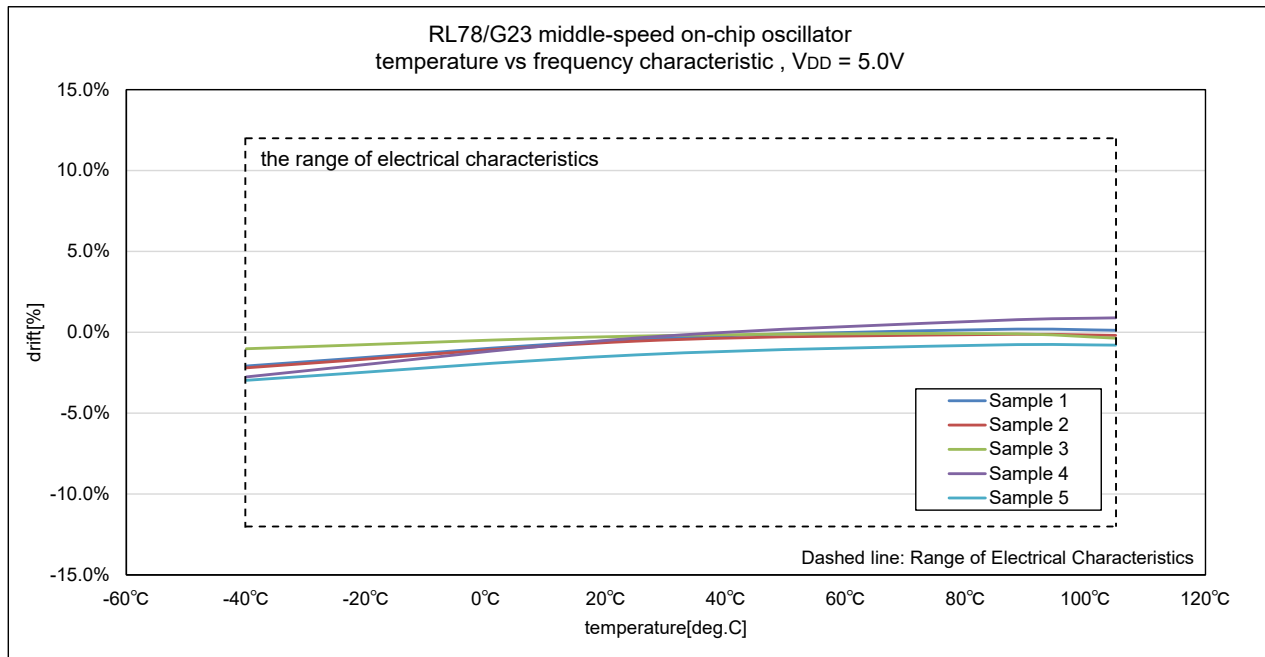


The above mentioned value is only for your reference.
 This is a value for an arbitrary sample and does not guarantee the characteristics of the product.

RL78/G23 group Middle-speed on-chip oscillator temperature vs frequency characteristic

$V_{DD} = EV_{DD0} = EV_{DD1} = 5.0\text{ V}, 3.0\text{ V}$
 $T_A = -40^\circ\text{C to } +105^\circ\text{C}$
 Middle-speed on-chip oscillator = 4 MHz

Prepared on February 22nd, 2023



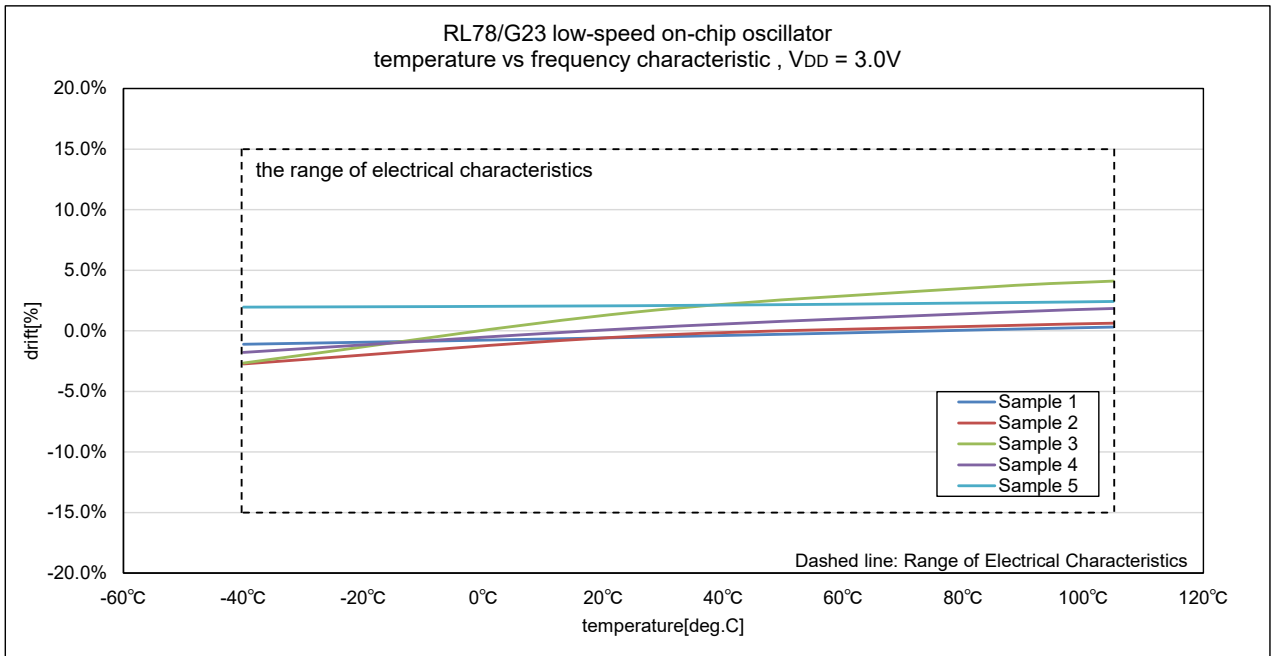
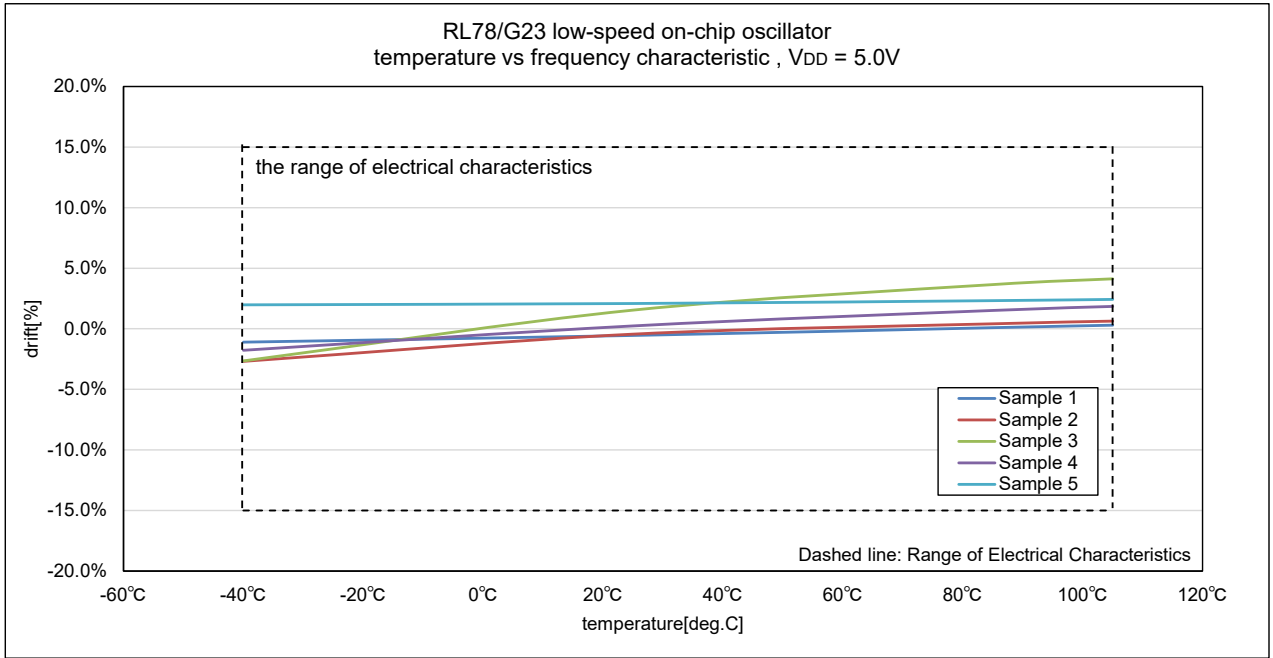
The above mentioned value is only for your reference.
 This is a value for an arbitrary sample and does not guarantee the characteristics of the product.

RL78/G23 group

Low-speed on-chip oscillator temperature vs frequency characteristic

$V_{DD} = EV_{DD0} = EV_{DD1} = 5.0\text{ V}, 3.0\text{ V}$
 $T_A = -40^\circ\text{C to } +105^\circ\text{C}$
 Low-speed on-chip oscillator = 32.768 kHz

Prepared on February 22nd, 2023



The above mentioned value is only for your reference.
 This is a value for an arbitrary sample and does not guarantee the characteristics of the product.