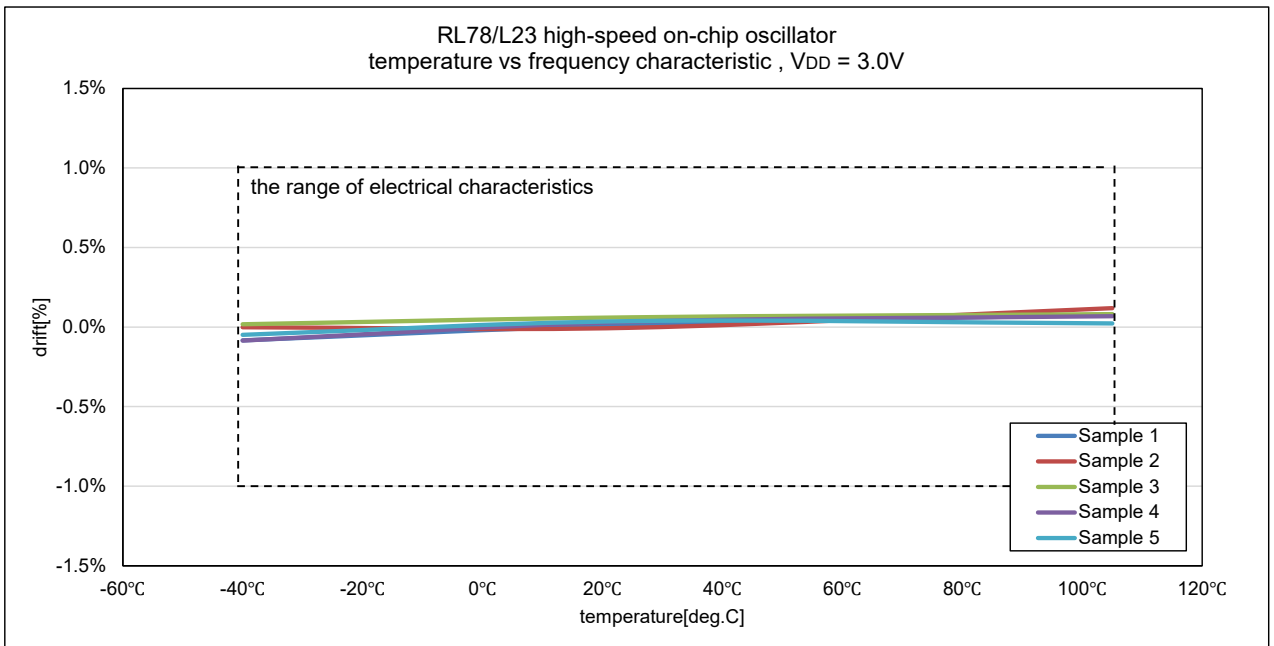
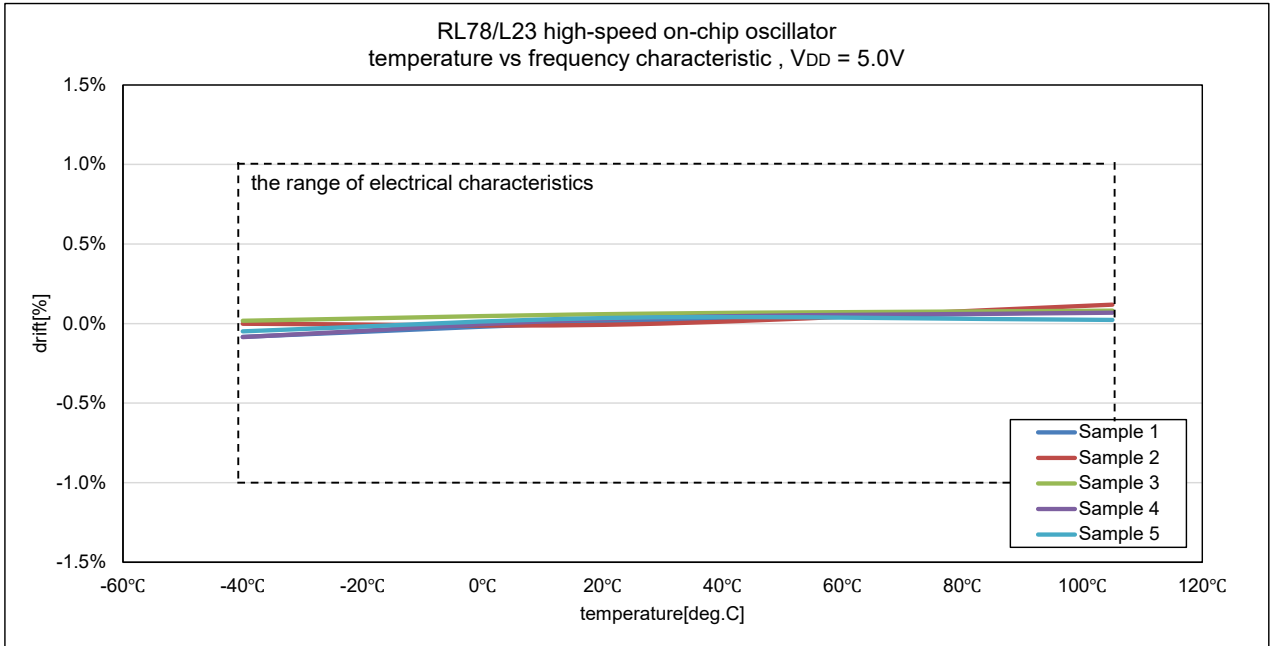


RL78/L23 group

High-speed on-chip oscillator temperature vs frequency characteristic

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

Prepared on August 27th, 2025

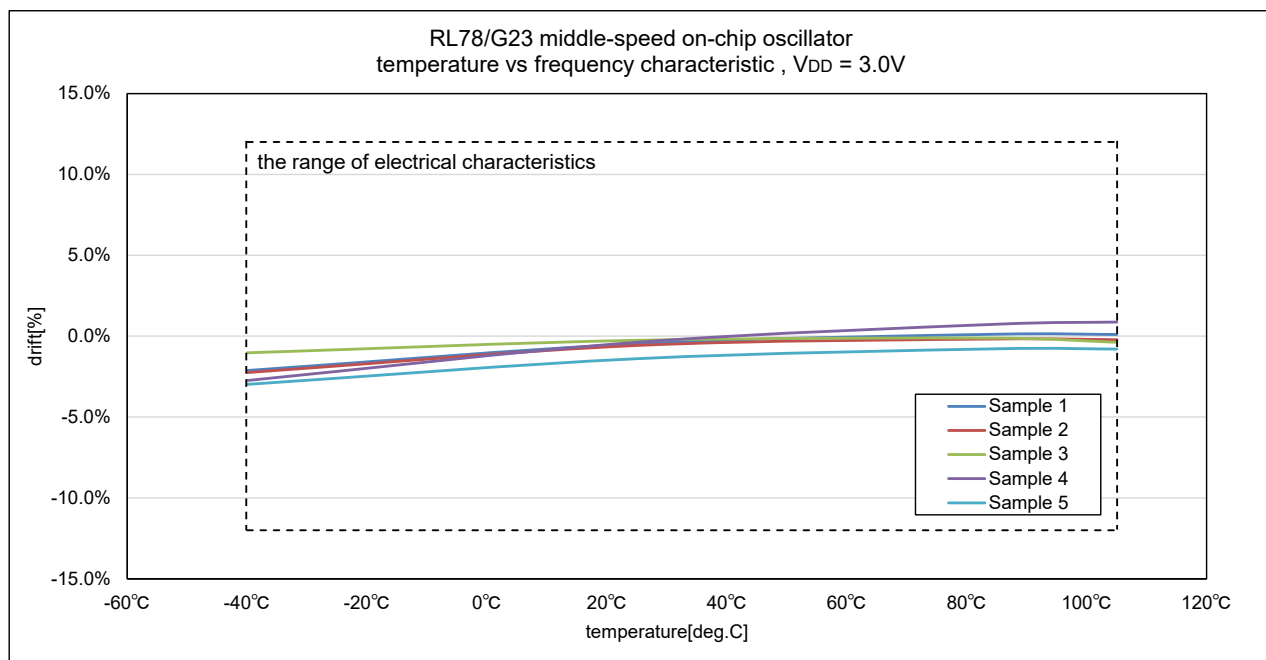
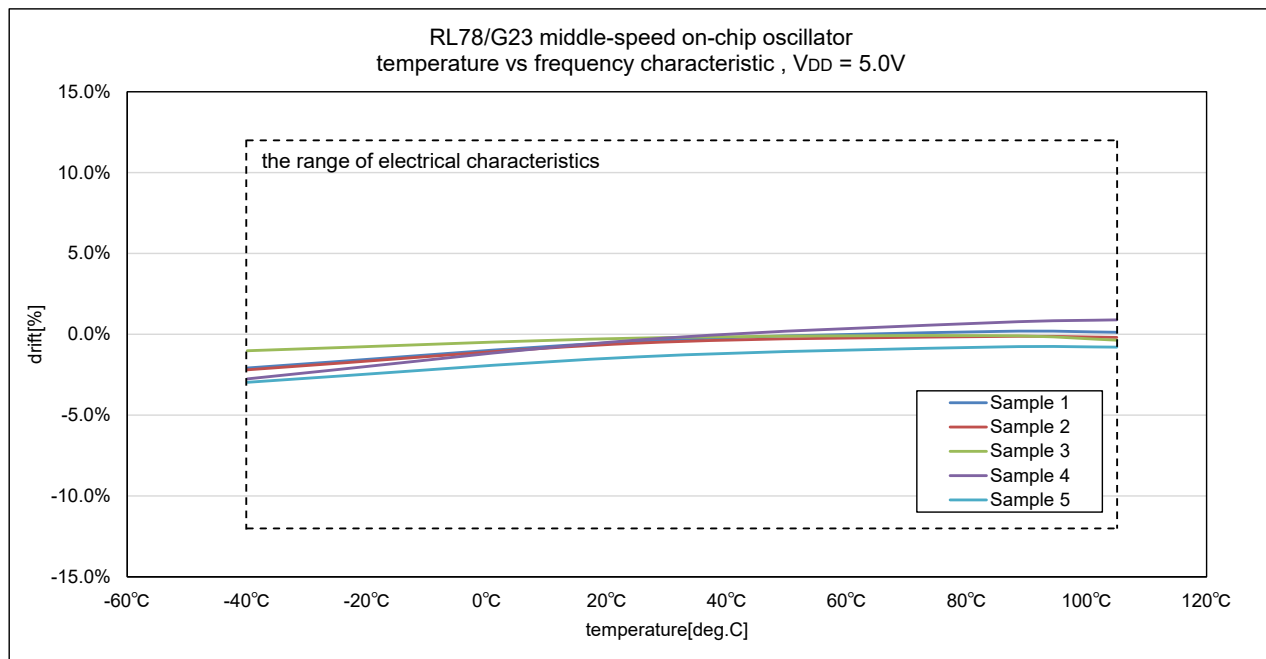


The above values are for reference only.
These values are based on arbitrary samples and do not guarantee the characteristics of the product.

RL78/L23 group Middle-speed on-chip oscillator temperature vs frequency characteristic

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

Prepared on August 27th, 2025



The above values for the RL78/G23 are for reference only.

The RL78/L23 has equivalent characteristics to the RL78/G23.

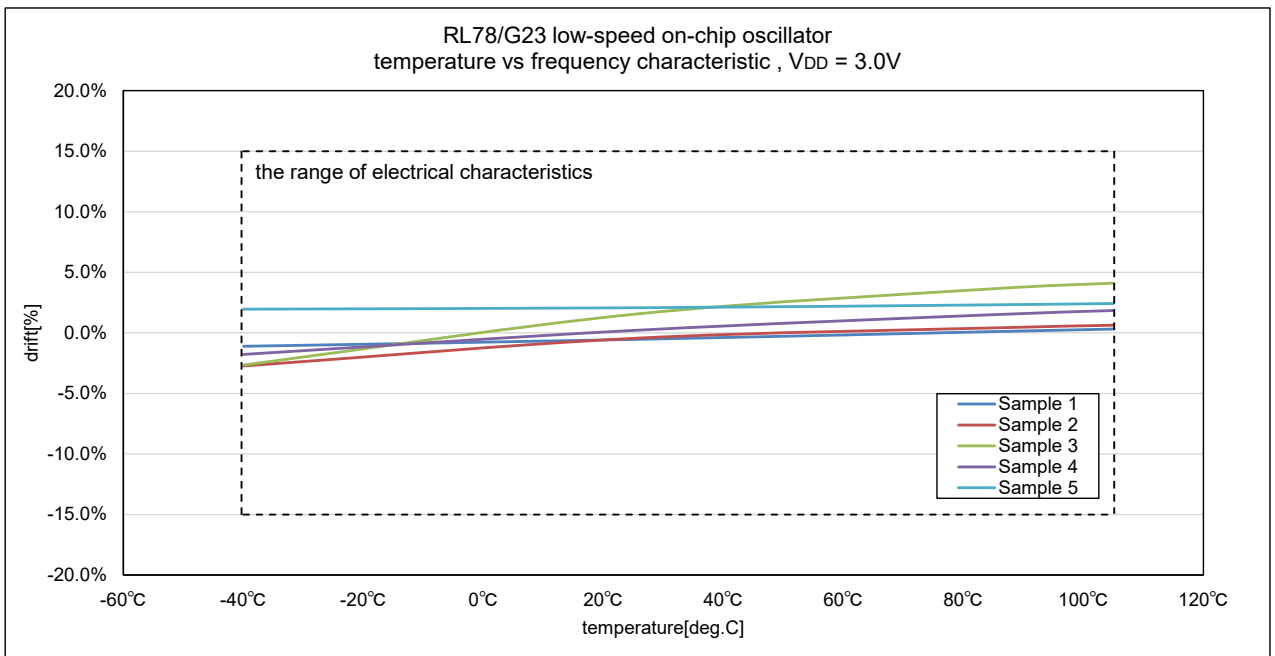
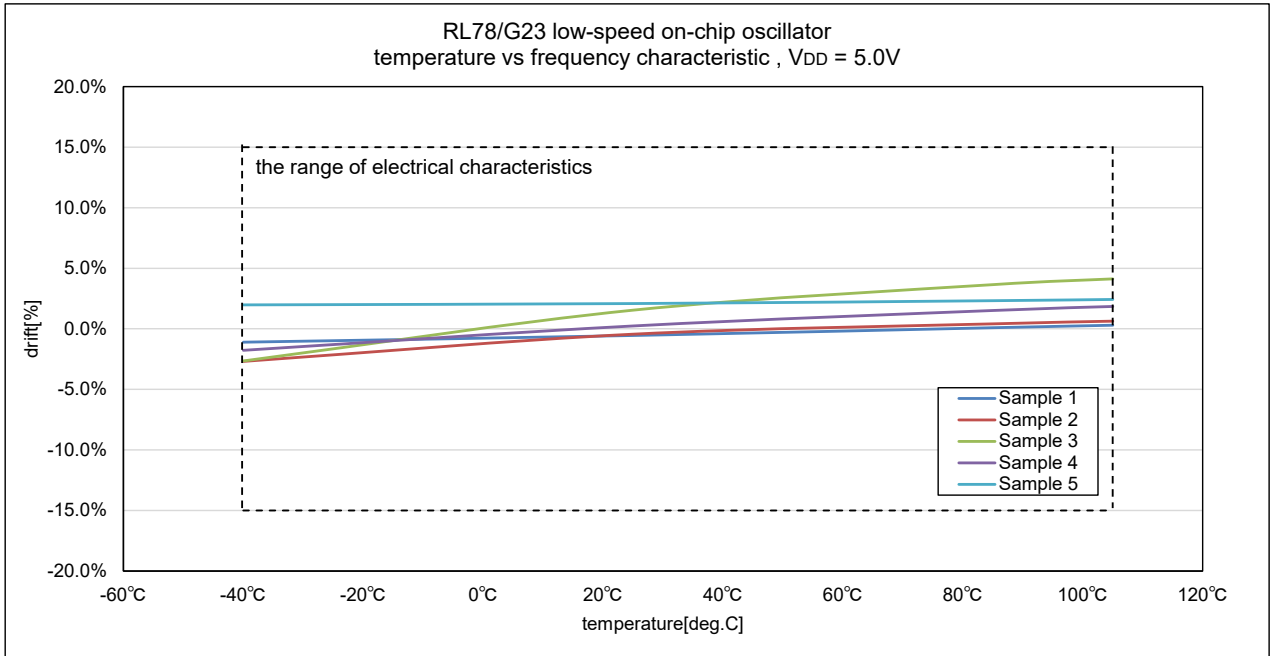
These values are based on arbitrary samples and do not guarantee the characteristics of the product.

RL78/L23 group

Low-speed on-chip oscillator temperature vs frequency characteristic

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

Prepared on August 27th, 2025



The above values for the RL78/G23 are for reference only.

The RL78/L23 has equivalent characteristics to the RL78/G23.

These values are based on arbitrary samples and do not guarantee the characteristics of the product.