



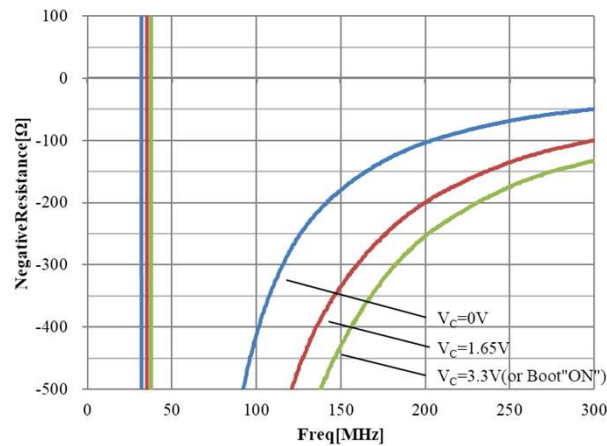
CF/WF7320 series

Negative resistance characteristics

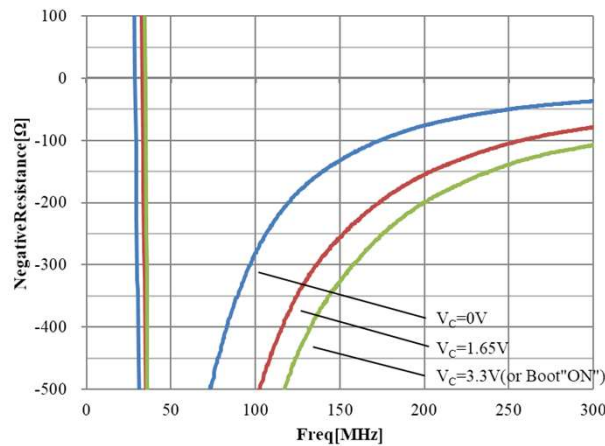
Design Department 1
Design Section 1

SEIKO NPC CORPORATION

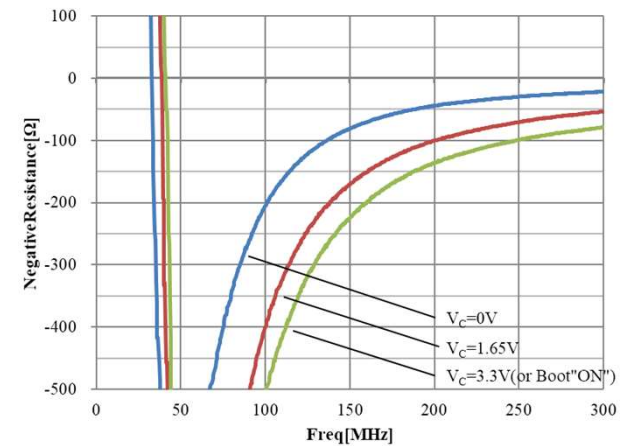
7320A Negative resistance



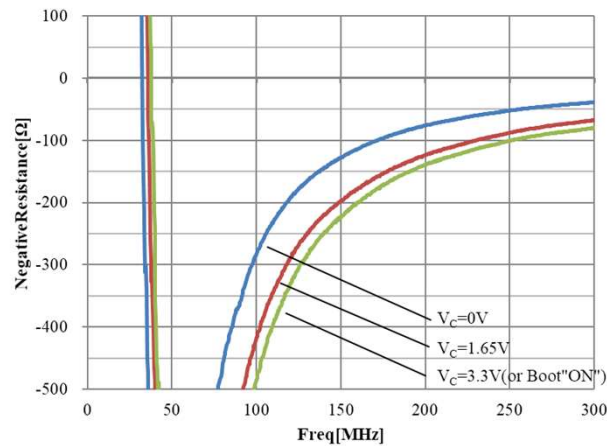
Ta=-40°C, C0=1pF



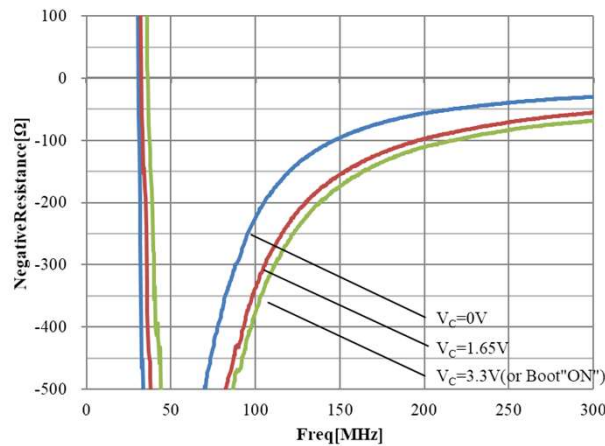
Ta=25°C, C0=1pF



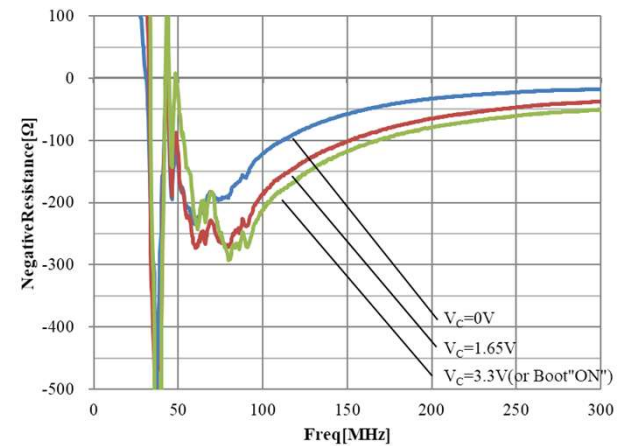
Ta=115°C, C0=1pF



Ta=-40°C, C0=2pF



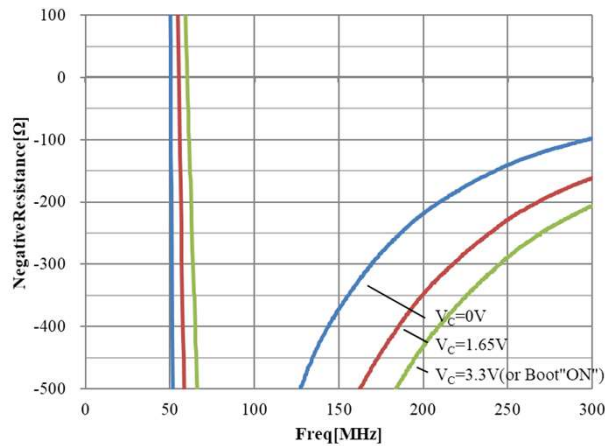
Ta=25°C, C0=2pF



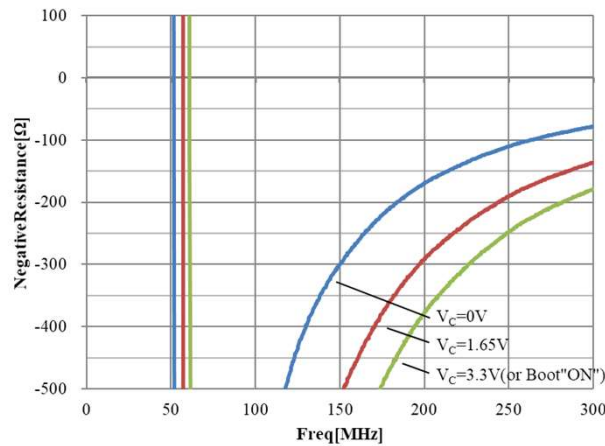
Ta=115°C, C0=2pF

The 7320 has a built-in boot circuit, so the characteristics with and without boot are shown. ($V_C=3.3V$ is equivalent to the characteristics with boot)

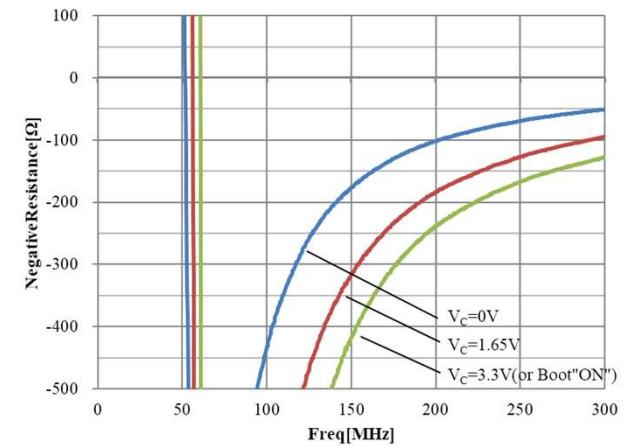
7320B Negative resistance



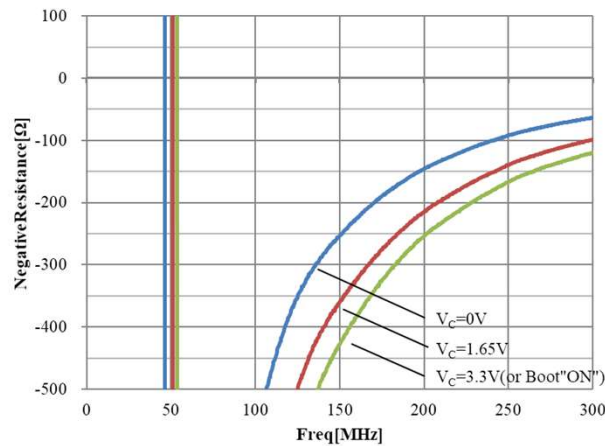
$T_a = -40^\circ\text{C}$, $C_0 = 1\text{pF}$



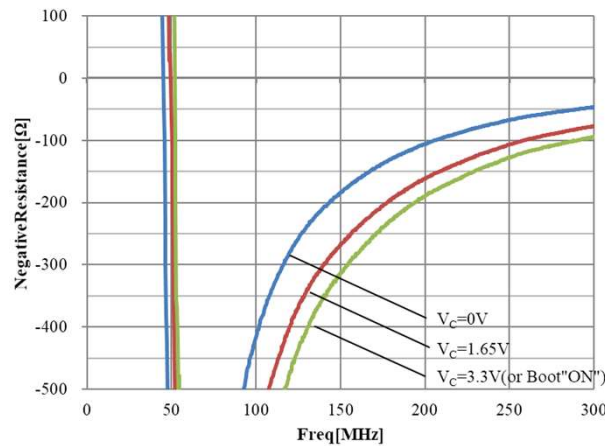
$T_a = 25^\circ\text{C}$, $C_0 = 1\text{pF}$



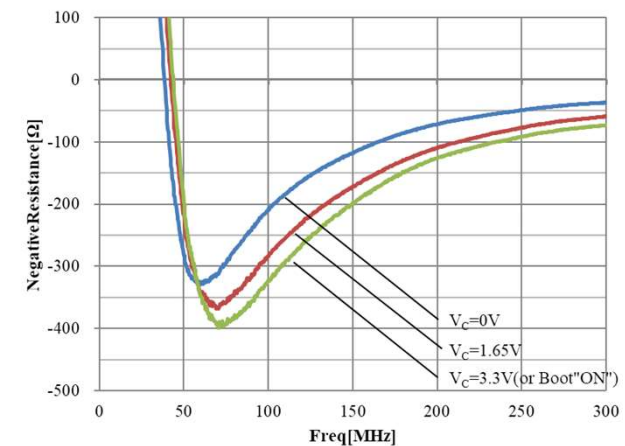
$T_a = 115^\circ\text{C}$, $C_0 = 1\text{pF}$



$T_a = -40^\circ\text{C}$, $C_0 = 2\text{pF}$



$T_a = 25^\circ\text{C}$, $C_0 = 2\text{pF}$



$T_a = 115^\circ\text{C}$, $C_0 = 2\text{pF}$

The 7320 has a built-in boot circuit, so the characteristics with and without boot are shown. ($V_C = 3.3\text{V}$ is equivalent to the characteristics with boot)