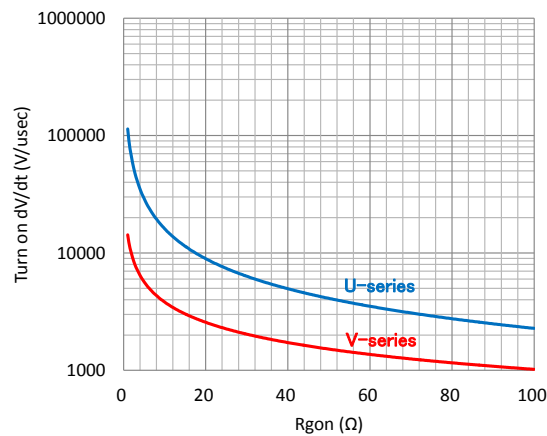


— Fuji IGBT module S,U,V-series 600V —

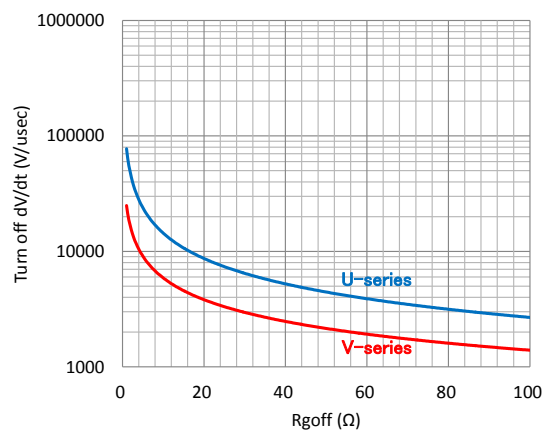
**Rg-dV/dt dependency of S,U,V-series**

Test module : 2MBI150U2A-060-50, 2MBI150VA-060-50

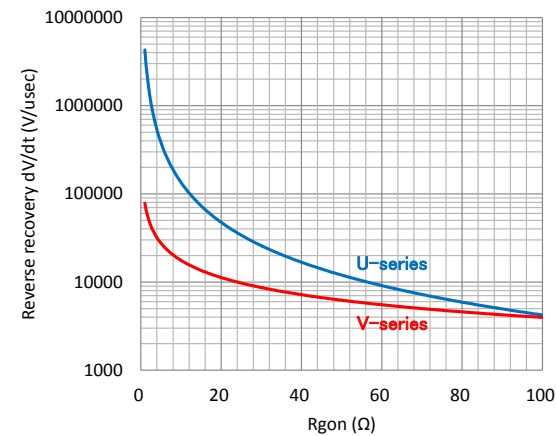
Test condition : Vdc=300V, Ic=15A(turn on, reverse recovery), 150A(turn off), Vge=+/-15V, Tj=25deg.C, Rg=vari.



Rgon vs. Turn on dV/dt



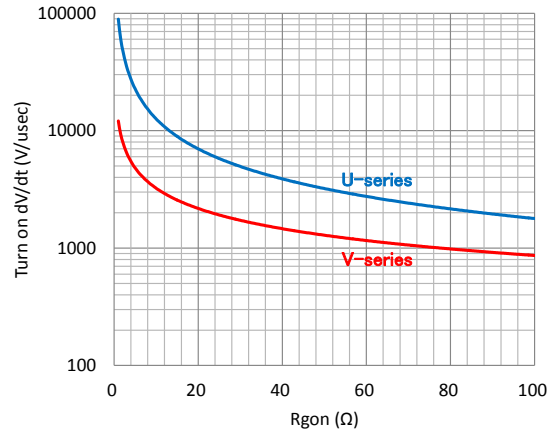
Rgoff vs. Turn off dV/dt



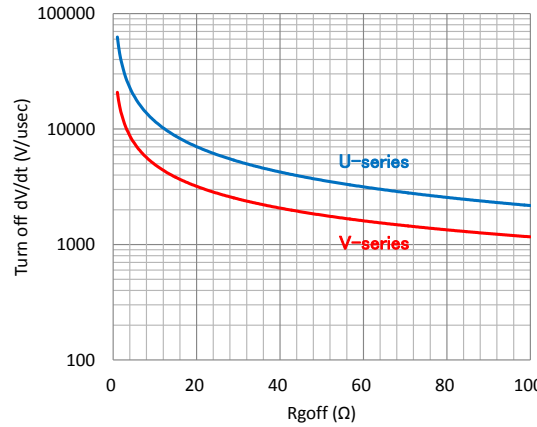
Rgon vs. Reverse recovery dV/dt

Test module : 2MBI200U2A-060-50, 2MBI200VA-060-50

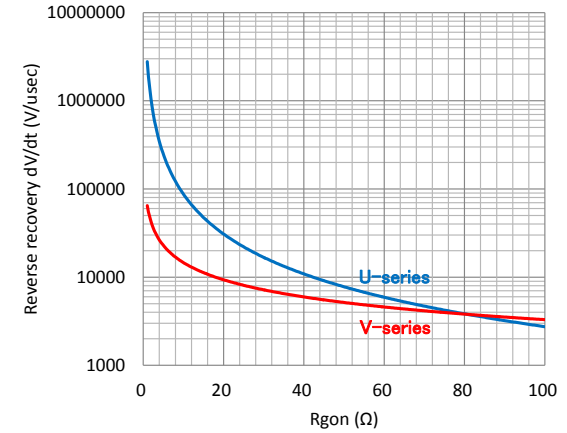
Test condition :  $V_{dc}=300V$ ,  $I_c=20A$ (turn on, reverse recovery),  $200A$ (turn off),  $V_{ge}=\pm 15V$ ,  $T_j=25deg.C$ ,  $R_g=vari.$



Rgon vs. Turn on dV/dt



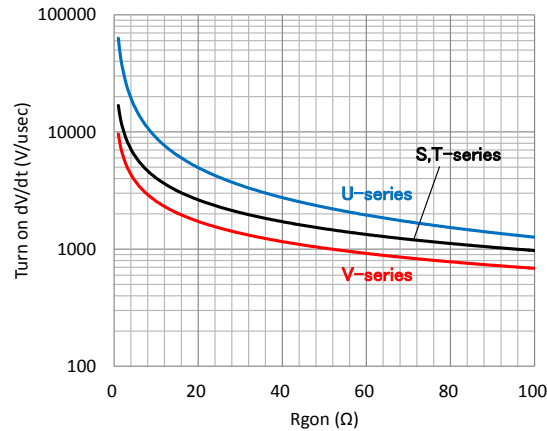
Rgoff vs. Turn off dV/dt



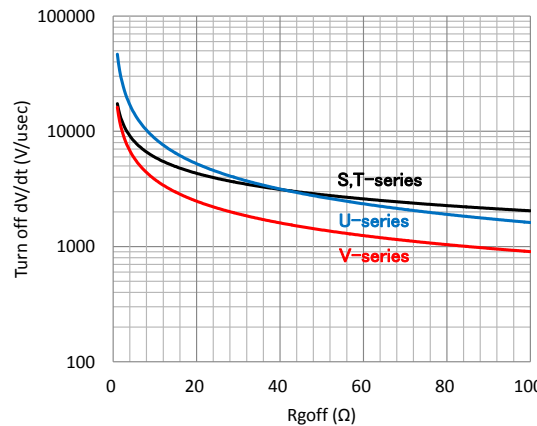
Rgon vs. Reverse recovery dV/dt

Test module : 2MBI300S-060, 2MBI300TA-060, 2MBI300U2B-060-50, 2MBI300VB-060-50

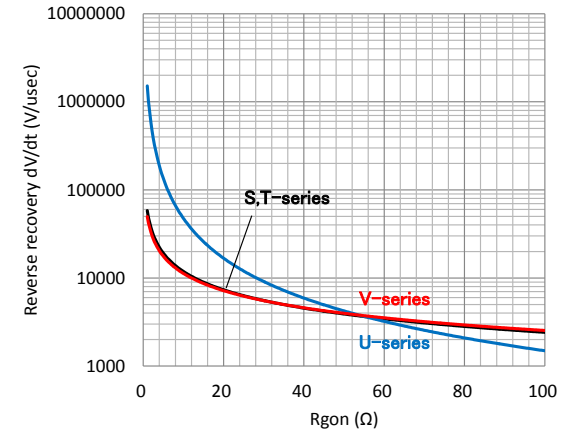
Test condition :  $V_{dc}=300V$ ,  $I_c=30A$ (turn on, reverse recovery),  $300A$ (turn off),  $V_{ge}=\pm 15V$ ,  $T_j=25deg.C$ ,  $R_g=vari.$



Rgon vs. Turn on dV/dt



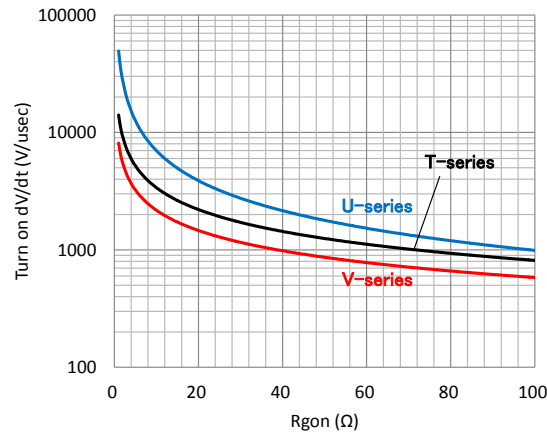
Rgoff vs. Turn off dV/dt



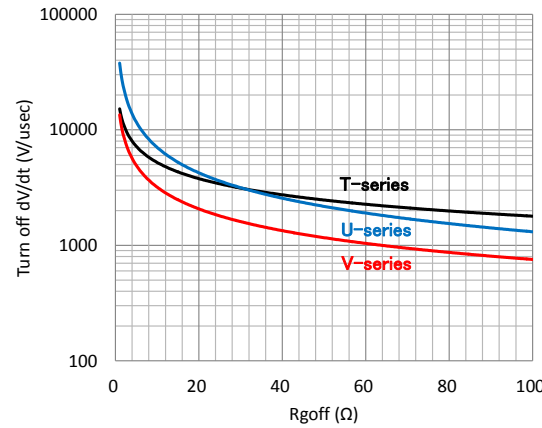
Rgon vs. Reverse recovery dV/dt

Test module : 2MBI400TB-060, 2MBI400U2B-060-50, 2MBI400VB-060-50, 2MBI400VD-060-50

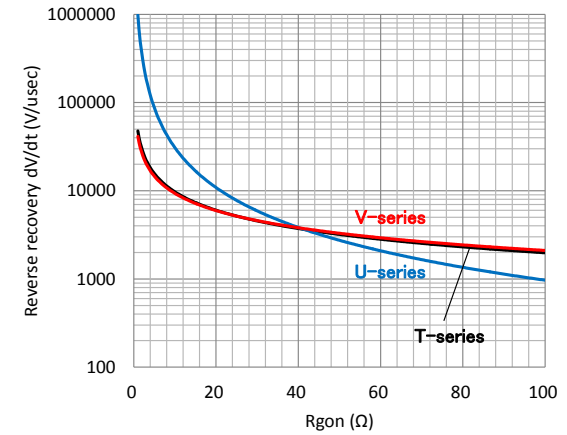
Test condition :  $V_{dc}=300V$ ,  $I_c=40A$ (turn on, reverse recovery),  $400A$ (turn off),  $V_{ge}=\pm 15V$ ,  $T_j=25deg.C$ ,  $R_g=vari.$



Rgon vs. Turn on dV/dt



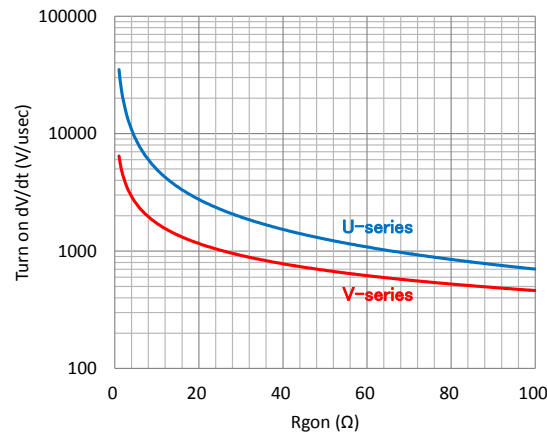
Rgoff vs. Turn off dV/dt



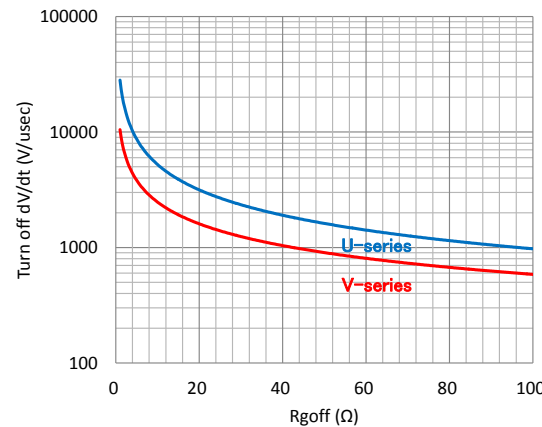
Rgon vs. Reverse recovery dV/dt

Test module : 2MBI600U2E-060, 2MBI600VD-060-50, 2MBI600VE-060-50

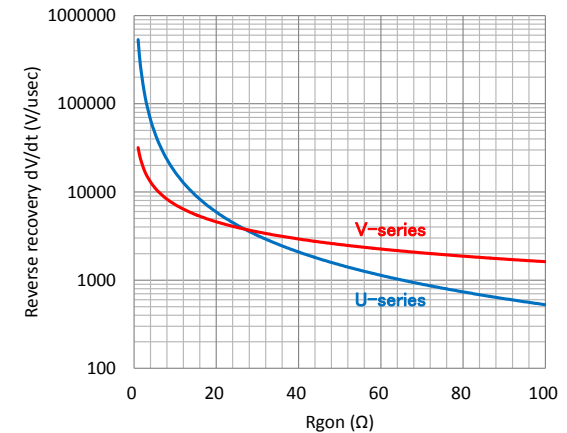
Test condition :  $V_{dc}=300V$ ,  $I_c=60A$ (turn on, reverse recovery),  $600A$ (turn off),  $V_{ge}=\pm 15V$ ,  $T_j=25deg.C$ ,  $R_g=vari.$



Rgon vs. Turn on dV/dt



Rgoff vs. Turn off dV/dt



Rgon vs. Reverse recovery dV/dt