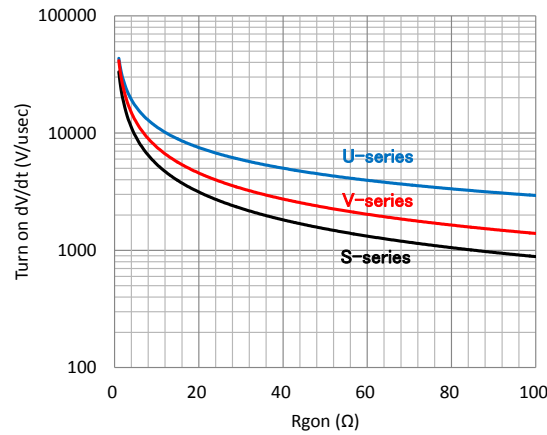


— Fuji IGBT module S,U,V-series 1200V —

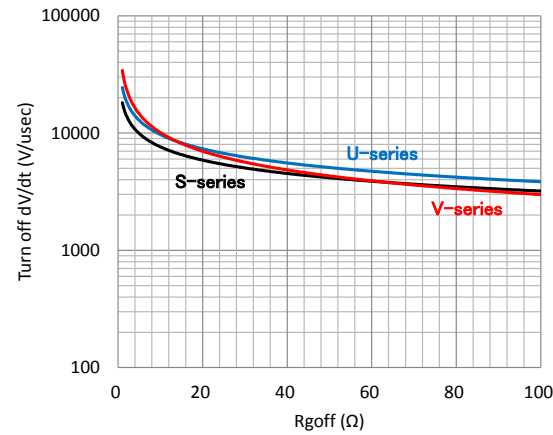
Rg-dV/dt dependency of S,U,V-series

Test module : 2MBI75S-120, 2MBI75U4A-120, 2MBI75VA-120-50

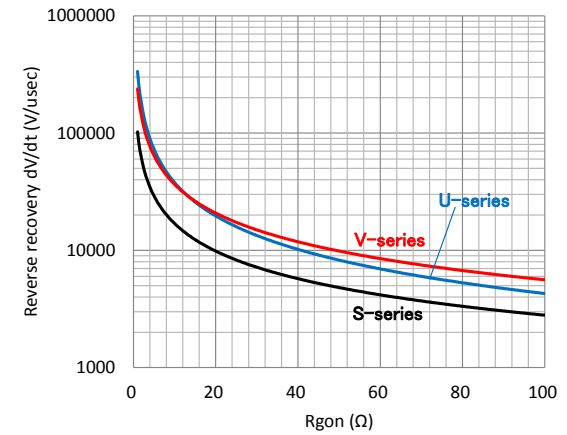
Test condition : Vdc=600V, Ic=7.5A(turn on, reverse recovery),75A(turn off), Vge=+/-15V, Tj=25deg.C, Rg=vari.



Rgon vs. Turn on dV/dt



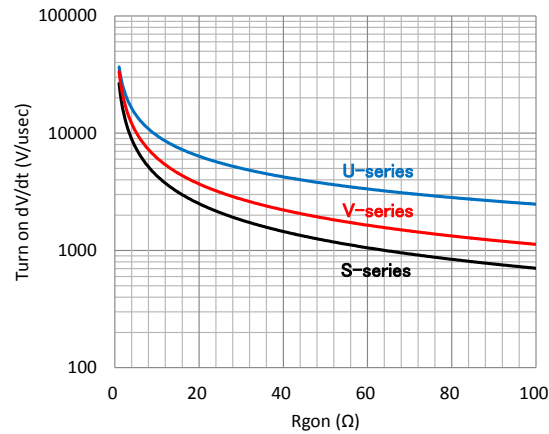
Rgoff vs. Turn off dV/dt



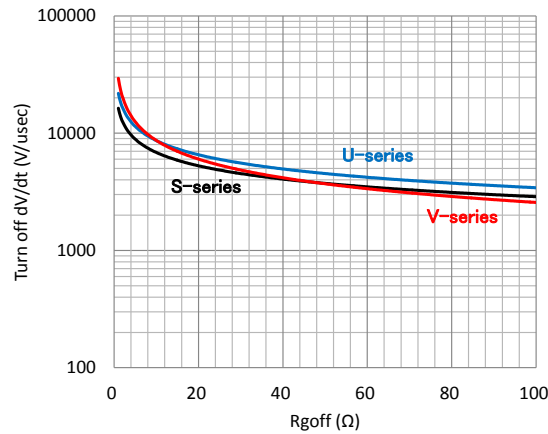
Rgon vs. Reverse recovery dV/dt

Test module : 2MBI100S-120, 2MBI100SC-120, 2MBI100U4A-120-50, 2MBI100VA-120-50

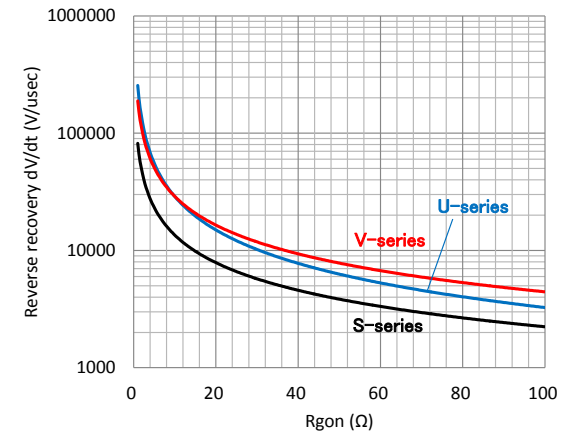
Test condition : $V_{dc}=600V$, $I_c=10A$ (turn on, reverse recovery), $100A$ (turn off), $V_{ge}=\pm 15V$, $T_j=25deg.C$, $R_g=vari.$



Rgon vs. Turn on dV/dt



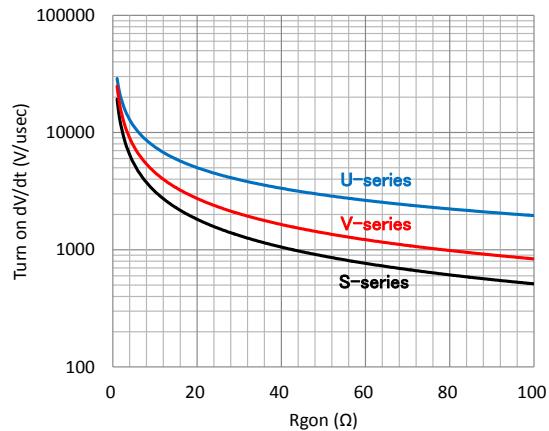
Rgoff vs. Turn off dV/dt



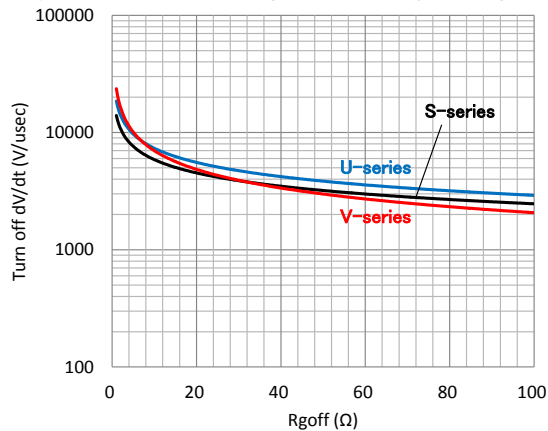
Rgon vs. Reverse recovery dV/dt

Test module : 2MBI150S-120, 2MBI150SC-120, 2MBI150U4A-120-50, 2MBI150VA-120-50, 2MBI150VB-120-50

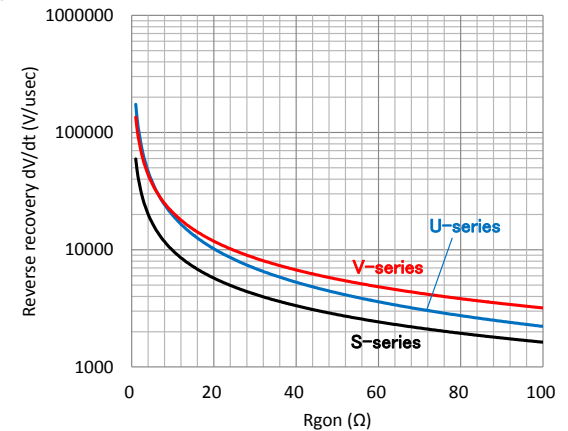
Test condition : $V_{dc}=600V$, $I_c=15A$ (turn on, reverse recovery), $150A$ (turn off), $V_{ge}=\pm 15V$, $T_j=25deg.C$, $R_g=vari.$



Rgon vs. Turn on dV/dt



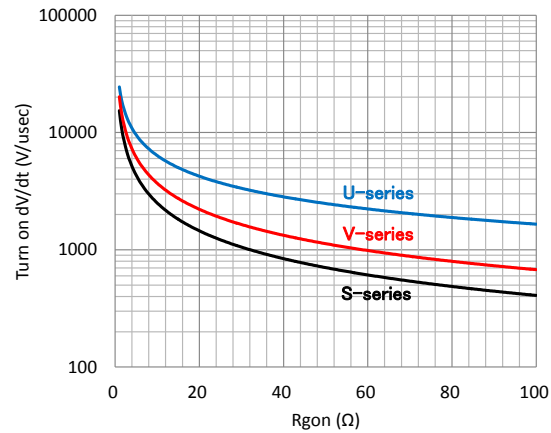
Rgoff vs. Turn off dV/dt



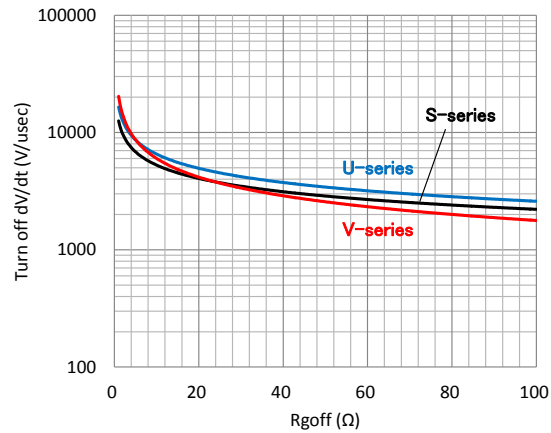
Rgon vs. Reverse recovery dV/dt

Test module : 2MBI200S-120, 2MBI200SB-120, 2MBI200U4B-120-50, 2MBI200U4H-120-50, 2MBI200VB-120-50, 2MBI200VH-120-50

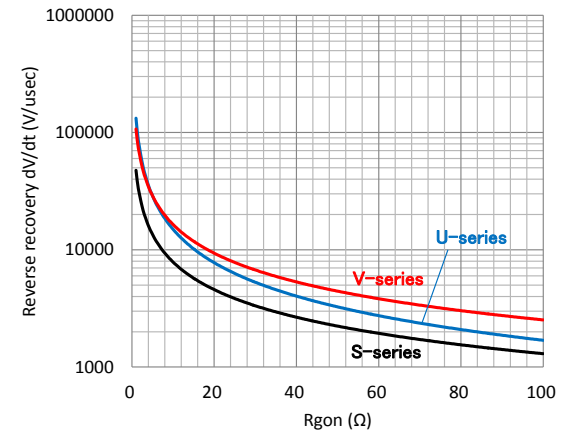
Test condition : $V_{dc}=600V$, $I_c=20A$ (turn on, reverse recovery), $200A$ (turn off), $V_{ge}=\pm 15V$, $T_j=25deg.C$, $R_g=vari.$



Rgon vs. Turn on dV/dt



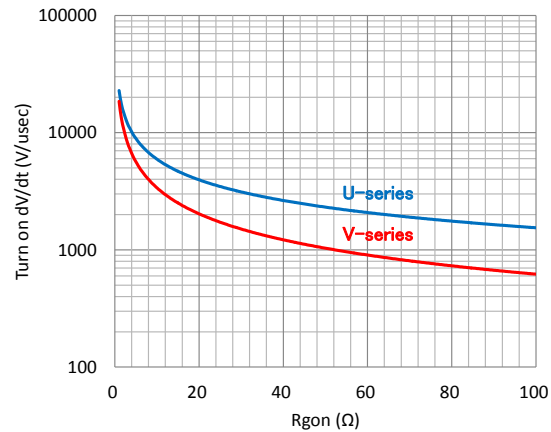
Rgoff vs. Turn off dV/dt



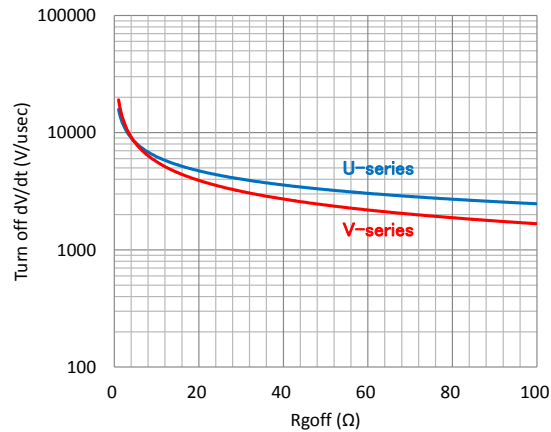
Rgon vs. Reverse recovery dV/dt

Test module : 2MBI225U4J-120-50, 2MBI225U4N-120-50, 2MBI225VJ-120-50, 2MBI225VN-120-50

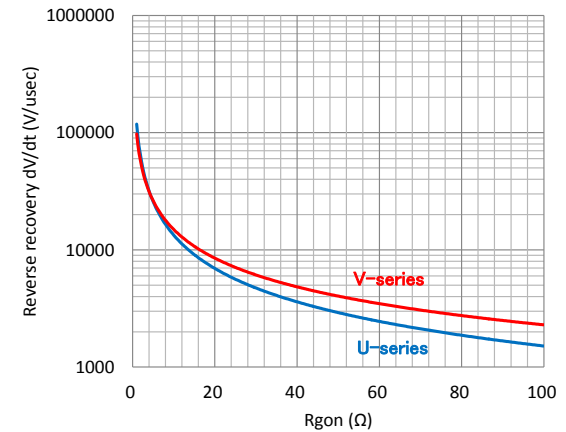
Test condition : $V_{dc}=600V$, $I_c=22.5A$ (turn on, reverse recovery), $225A$ (turn off), $V_{ge}=\pm 15V$, $T_j=25deg.C$, $R_g=vari.$



Rgon vs. Turn on dV/dt



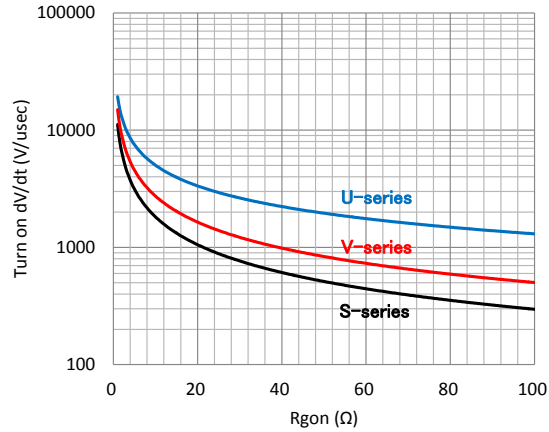
Rgoff vs. Turn off dV/dt



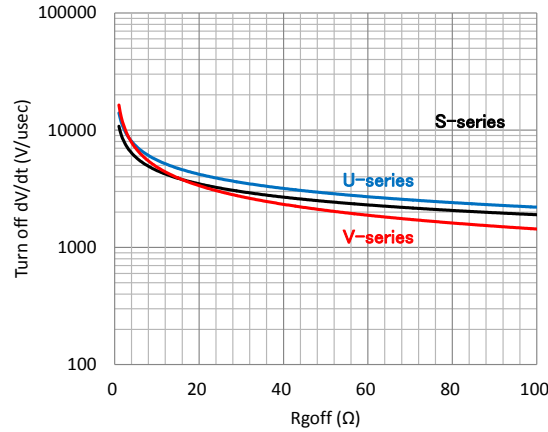
Rgon vs. Reverse recovery dV/dt

Test module : 2MBI300S-120, 2MBI300U4D-120-50, 2MBI300U4E-120, 2MBI300U4H-120-50, 2MBI300U4J-120-50, 2MBI300U4N-120-50,
2MBI300VD-120-50, 2MBI300VE-120-50, 2MBI300VH-120-50, 2MBI300VJ-120-50, 2MBI300VN-120-50

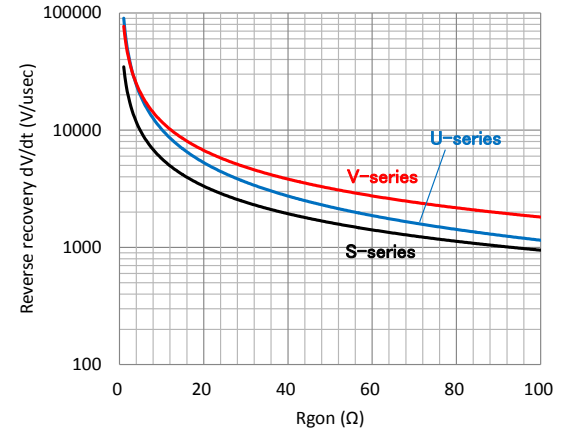
Test condition : $V_{dc}=600V$, $I_c=30A$ (turn on, reverse recovery), $300A$ (turn off), $V_{ge}=\pm 15V$, $T_j=25deg.C$, $R_g=vari.$



Rgon vs. Turn on dV/dt



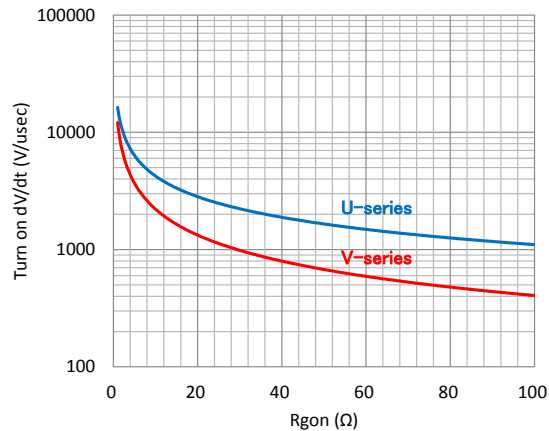
Rgoff vs. Turn off dV/dt



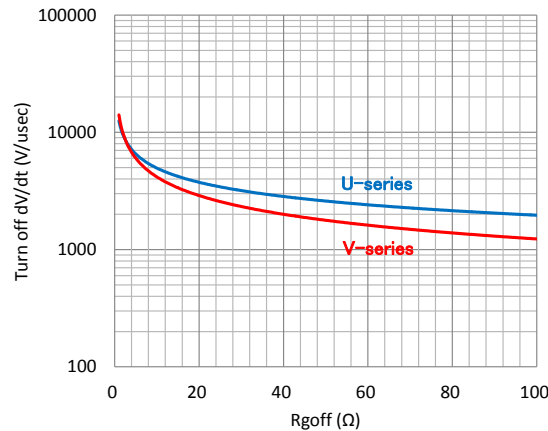
Rgon vs. Reverse recovery dV/dt

Test module : 2MBI400U4H-120-50, 2MBI400VD-120-50

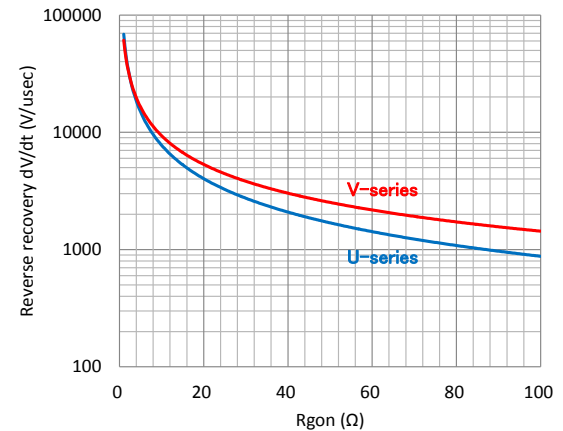
Test condition : $V_{dc}=600V$, $I_c=40A$ (turn on, reverse recovery), $400A$ (turn off), $V_{ge}=\pm 15V$, $T_j=25deg.C$, $R_g=vari.$



Rgon vs. Turn on dV/dt



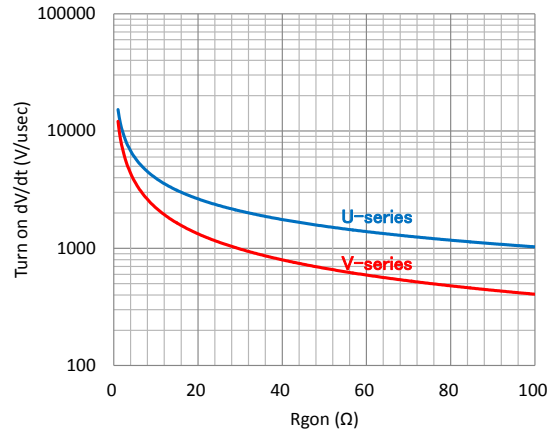
Rgoff vs. Turn off dV/dt



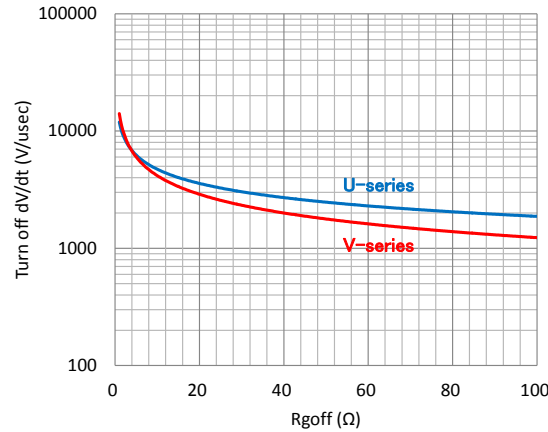
Rgon vs. Reverse recovery dV/dt

Test module : 2MBI450U4E-120, 2MBI450U4J-120-50, 2MBI450U4N-120-50, 2MBI450VE-120-50, 2MBI450VH-120-50, 2MBI450VJ-120-50, 2MBI450VN-120-50

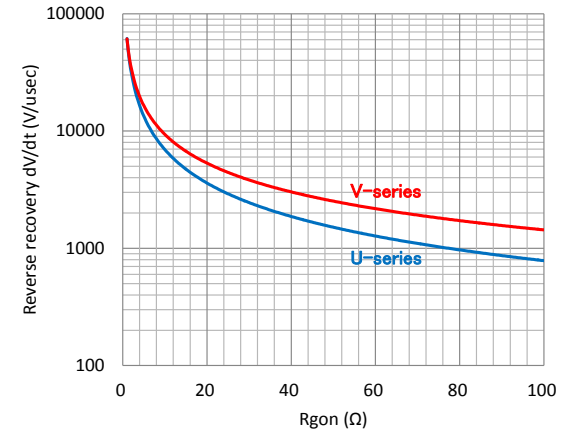
Test condition : $V_{dc}=600V$, $I_c=45A$ (turn on, reverse recovery), $450A$ (turn off), $V_{ge}=\pm 15V$, $T_j=25deg.C$, $R_g=vari.$



Rgon vs. Turn on dV/dt



Rgoff vs. Turn off dV/dt



Rgon vs. Reverse recovery dV/dt