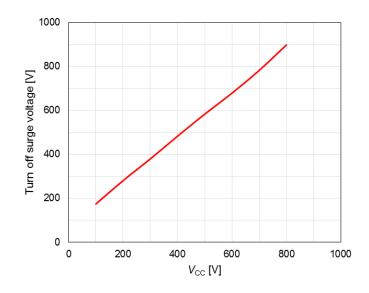


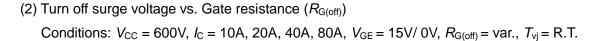
## Innovating Energy Technology

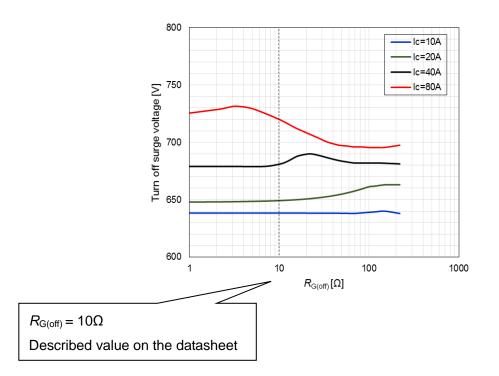
## Discrete IGBT FGW40N120WE Surge Voltage Characteristics

(1) Turn off surge voltage vs. Supply voltage ( $V_{CC}$ )

Conditions:  $V_{CC}$  = var.,  $I_C$  = 40A,  $V_{GE}$  = 15V/ 0V,  $R_{G(off)}$  = 10 $\Omega$ ,  $T_{vj}$  = R.T.



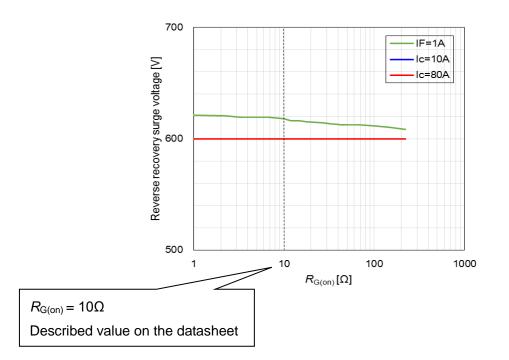






(3) Reverse recovery surge voltage vs. Gate resistance  $(R_{G(on)})$ 

Conditions:  $V_{CC} = 600 \text{ V}$ ,  $I_F = 1\text{ A}$ , 10A, 80A,  $V_{GE} = 15\text{ V}/0\text{ V}$ ,  $R_{G(on)} = \text{var.}$ ,  $T_{vj} = \text{ R.T.}$ 



Please use the data as a reference. Please confirm the characteristics by using actual equipment.



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    Audiovisual equipment
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    Personal equipment
    Industrial robots etc
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