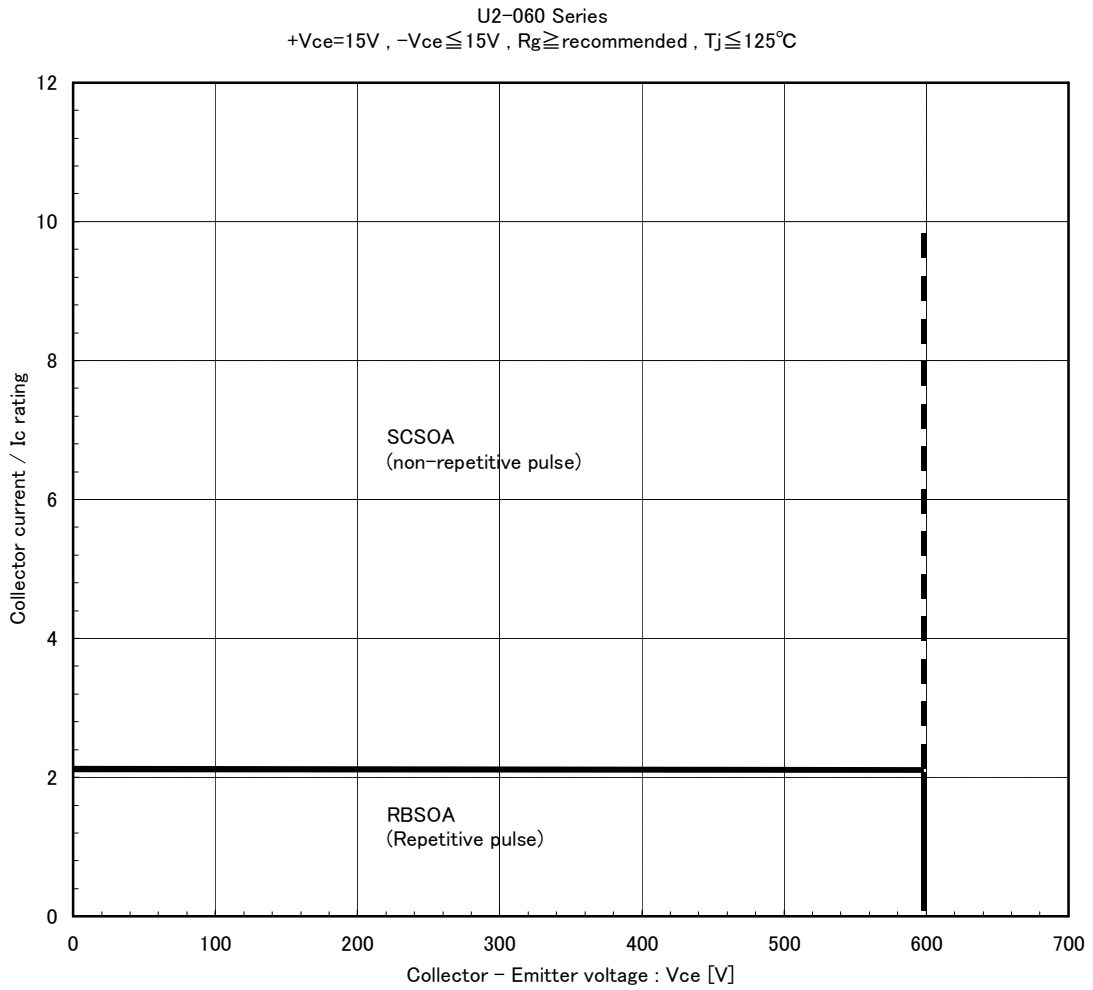

FUJI IGBT Modules U2-060 Series

Technical documents

1.	RBSOA, SCSOA	MT5F18117
2.	High current output-characteristics	MT5F19809
3.	Dependence of blocking voltage and junction temp.	MT5F19793
4.	-dic/dt vs. T_j characteristics	MT5F19888
5.	Dynamic avalanche voltage vs. T_j characteristics	MT5F19891

FUJI IGBT Modules U2-060 Series
RBSOA, SCSOA



Technical documents | MT5F18117

2008-03-27

FUJI IGBT Modules U2-060 Series
High current output-characteristics

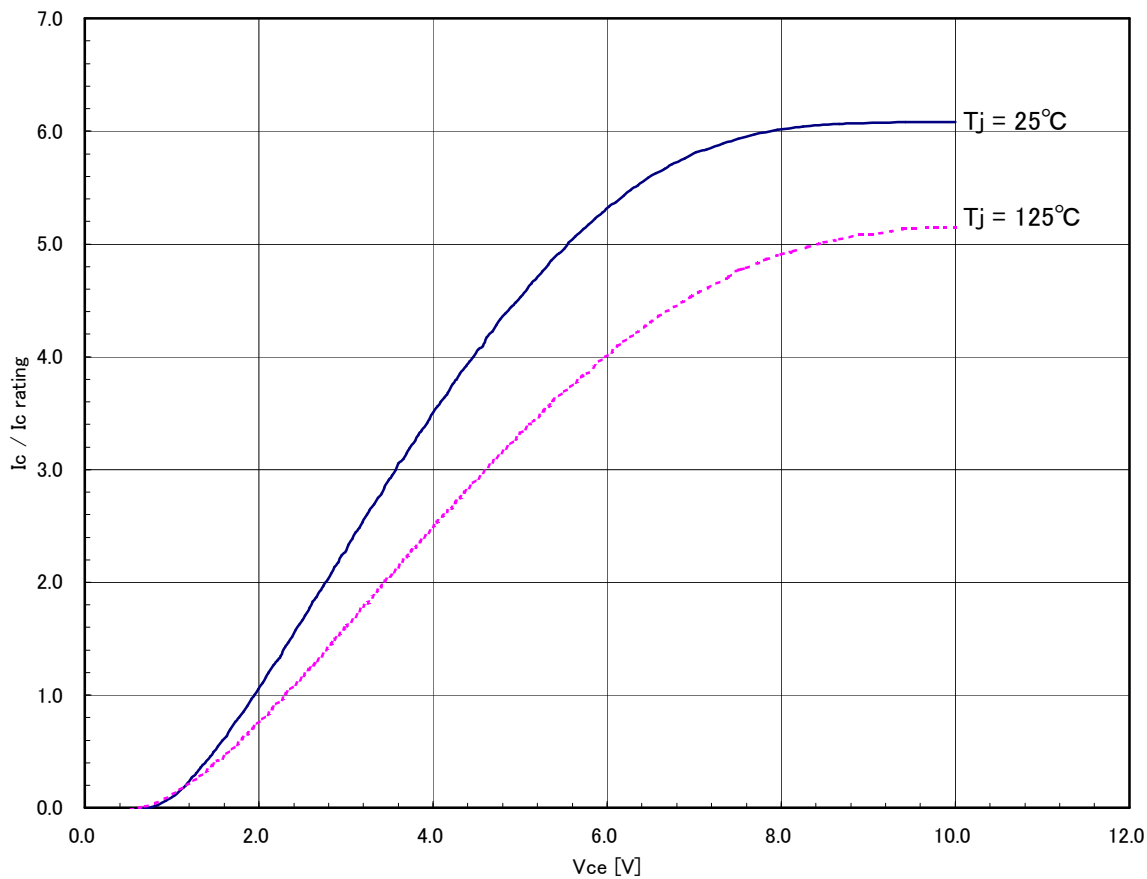
• U2 – 060 Series

Conditions: $T_j=25/125^{\circ}\text{C}$

$V_{GE}=15\text{V}$

Not include internal-drop voltage due to internal-resistance of module.

U2 – 060 Series



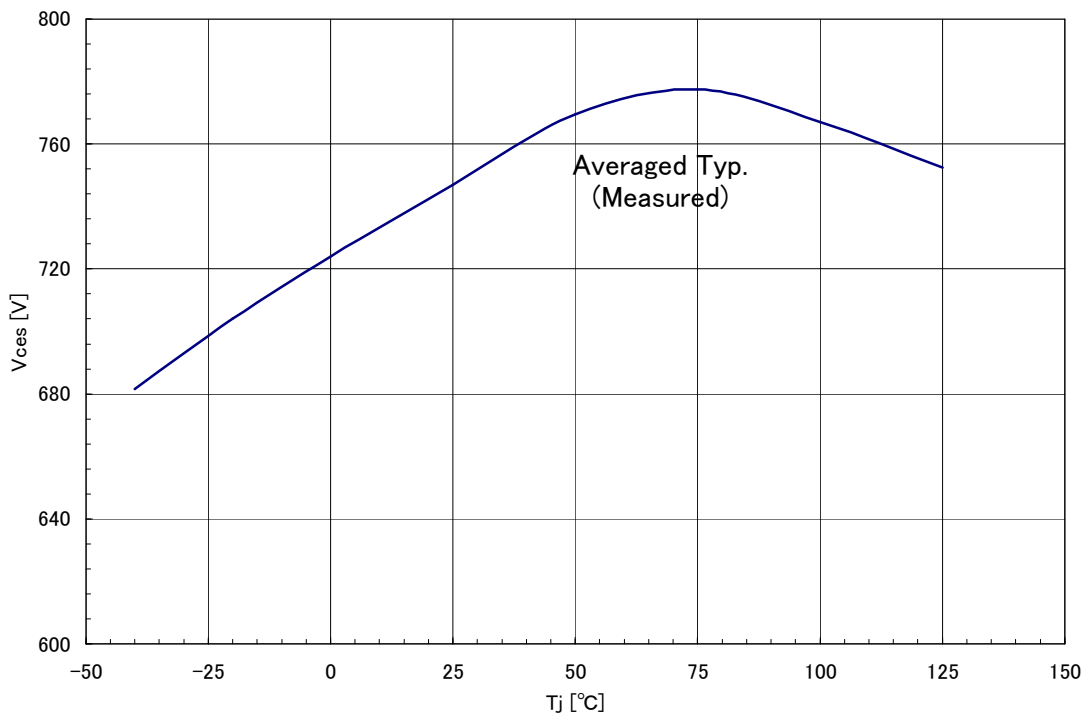
Technical documents | MT5F19809

2008-03-27

FUJI IGBT Modules U2-060 Series

Dependence of blocking voltage and junction temp.

Sample: 2MBI150U2A-060



Technical documents | MT5F19864

2008-03-27

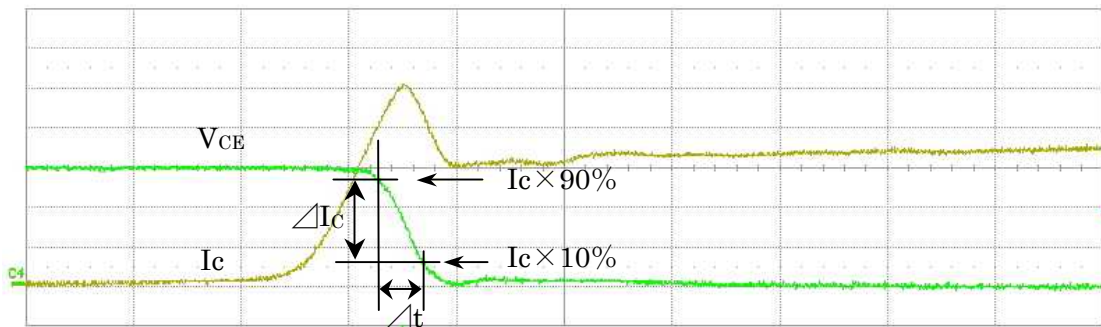
FUJI IGBT Modules U2-060 Series

-dIc/dt vs. T_j characteristics

Sample: 2MBI150U2A-060

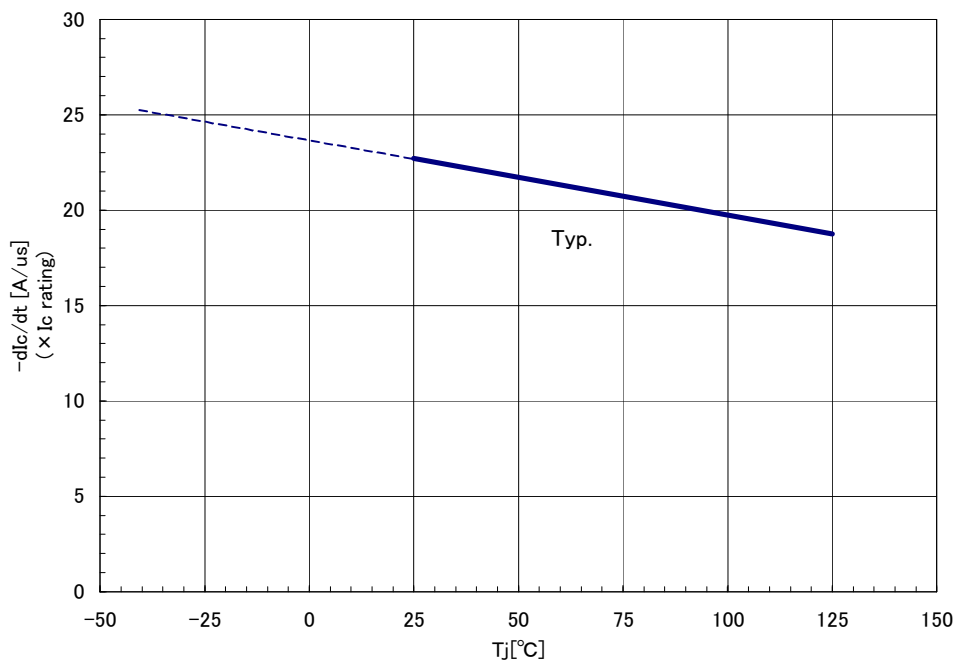
Conditions: V_{DC}=300V, I_C=150A

V_{GE}=±15V, R_G=24Ω



Vce: 100V/div Ic: 50A/div t: 100ns/div

U2-600V



Technical documents **MT5F19888**

2008-03-27

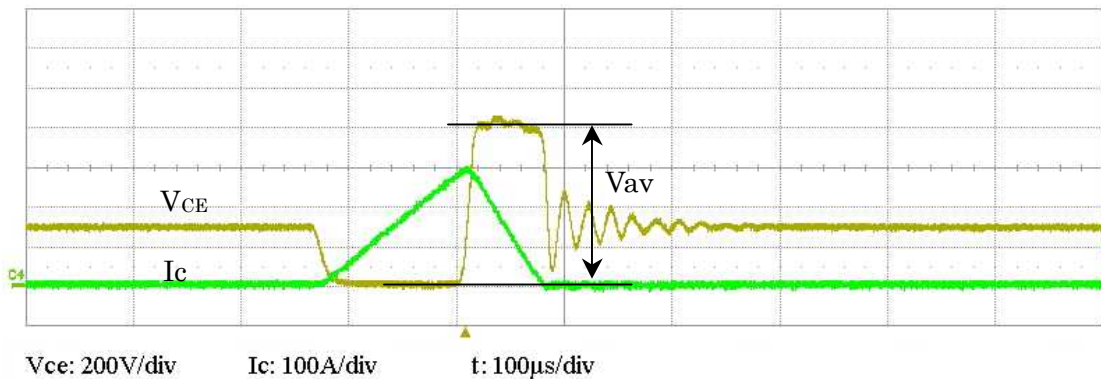
FUJI IGBT Modules U2-060 Series

Dynamic avalanche voltage vs. T_j characteristics

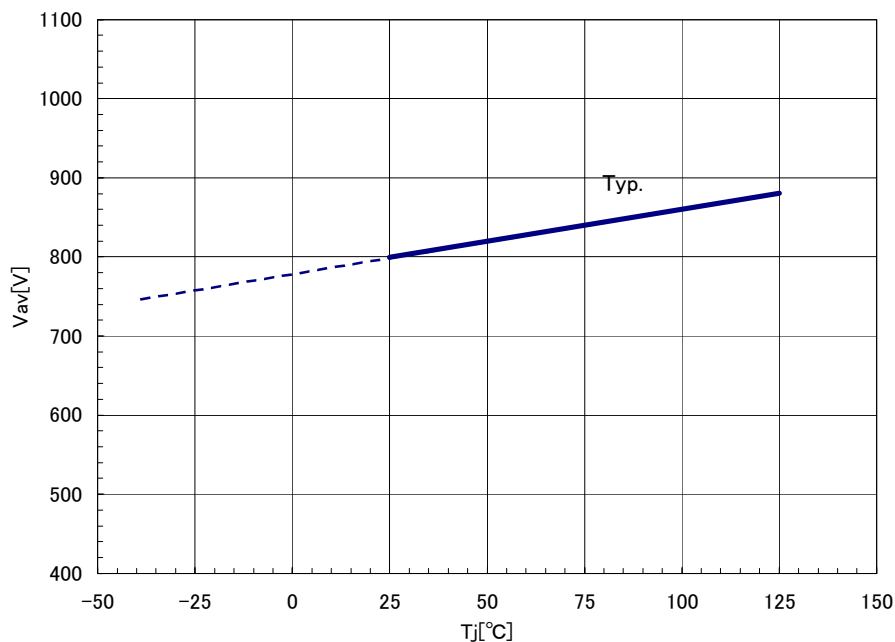
Sample: 2MBI150U2A-060

Conditions: $V_{DC}=300V$, $I_C=2 \times \text{Rated}$

$V_{GE}=\pm 15V$, $R_G=\text{Recommended}$



2MBI150U2A-060



Technical documents | MT5F19891

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