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# FUJI IGBT Modules S-120 Series

## Technical Documents

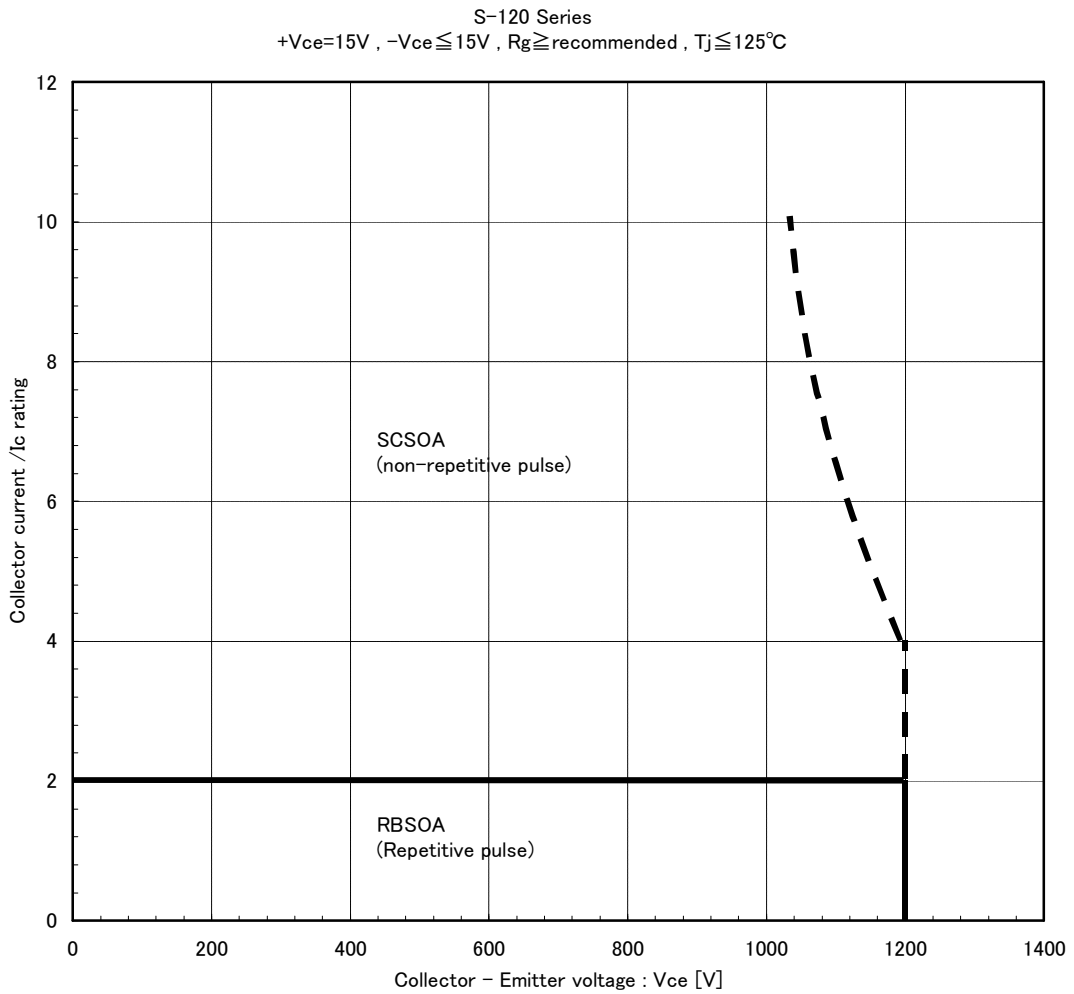
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1.	RBSOA, SCSOA .....	MT5F10398
2.	High current output-characteristics .....	MT5F19810
3.	Dependence of blocking voltage and junction temp. ....	MT5F20007
4.	-dic/dt vs. $T_j$ characteristics .....	MT5F19889
5.	Dynamic avalanche voltage vs. $T_j$ characteristics .....	MT5F19892
6.	Power cycle capability .....	MT6M3947

**Fuji IGBT Modules S-120 Series**  
**RBSOA, SCSOA**

Sample: 2MBI150SC-120



Technical documents | MT5F15412

2008-03-27

**Fuji IGBT Modules S-120 Series**  
**High current output-characteristics**

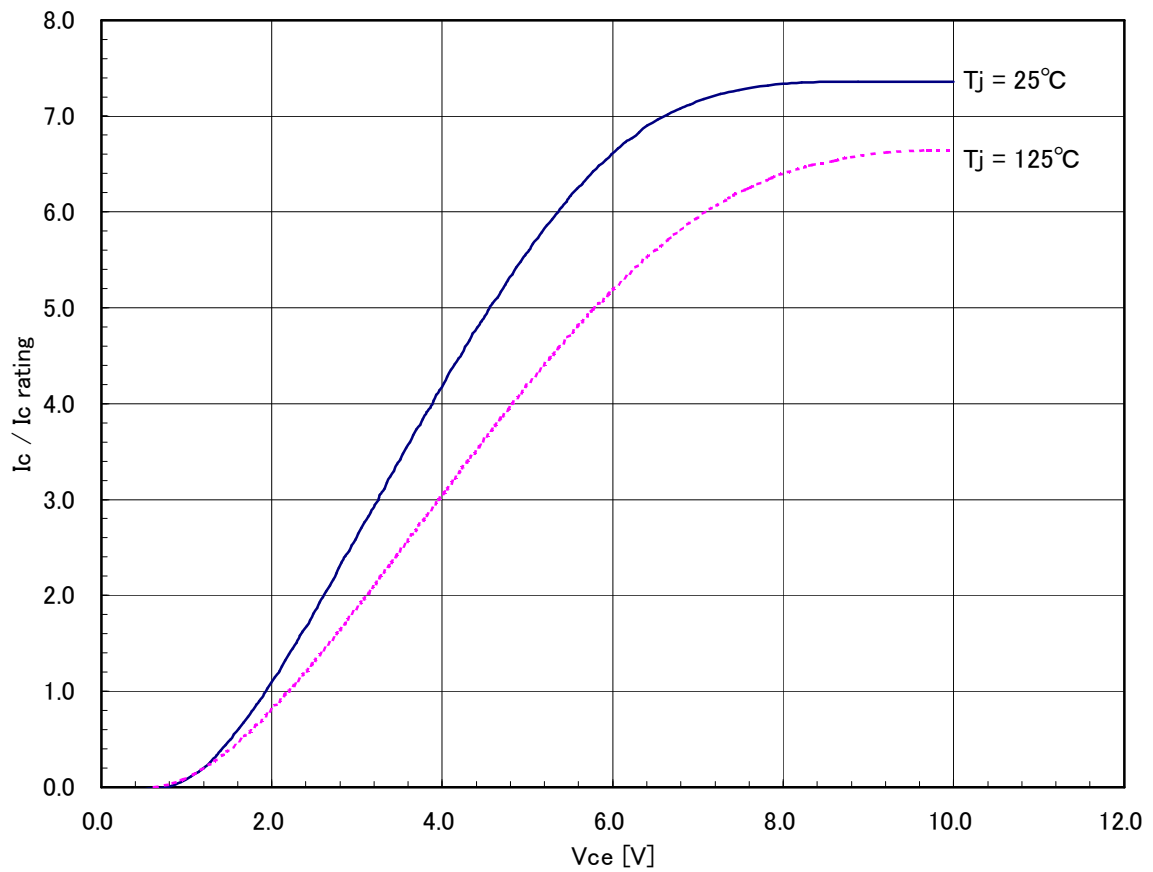
S-120Series

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

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

Include internal-drop voltage due to internal-resistance of module.

S - 120 Series



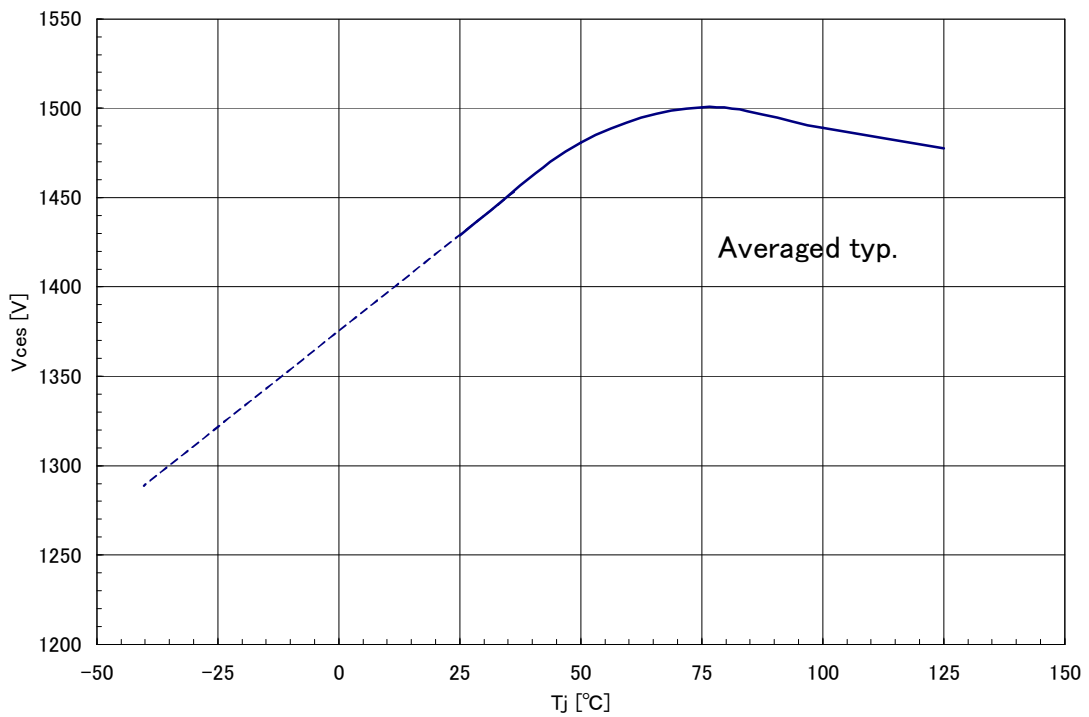
Technical documents **MT5F19810**

2008-03-27

**Fuji IGBT Modules S-120 Series**

**Dependence of blocking voltage and junction temp.**

Sample: 7MBI150SD120-50



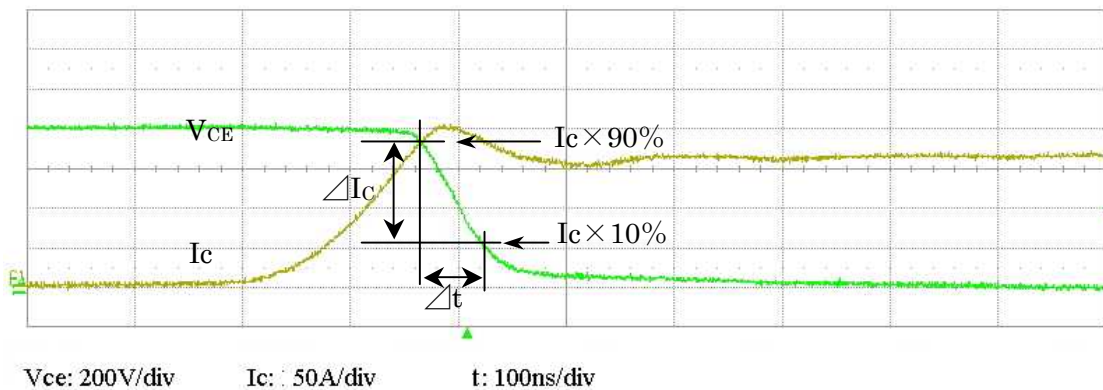
Technical documents | MT5F20007

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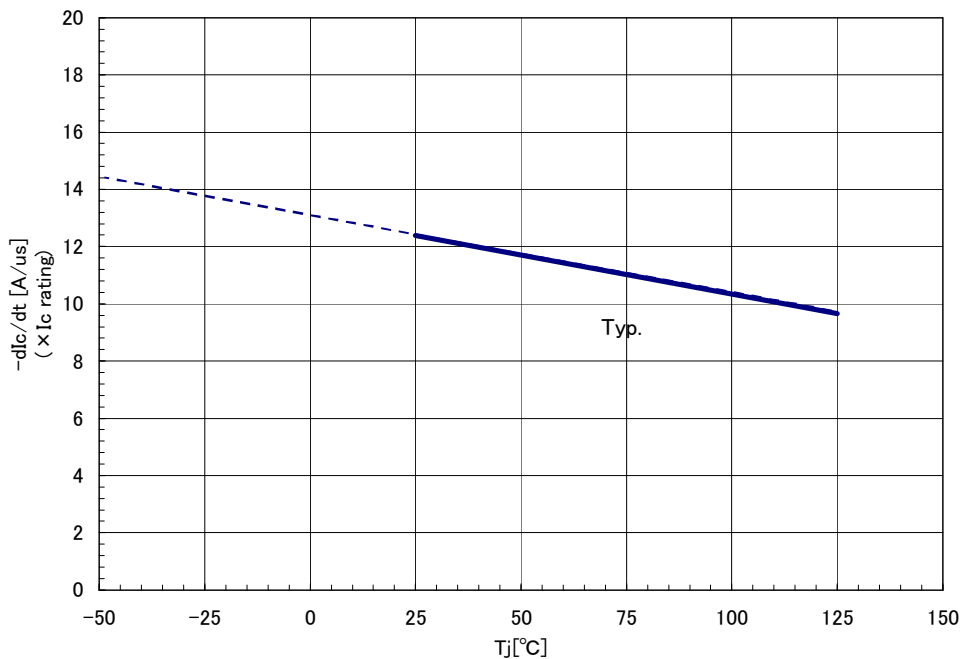
**Fuji IGBT Modules S-120 Series**  
**-dIc/dt vs. T<sub>J</sub> characteristics**

Sample: 2MBI200S-120

Conditions: V<sub>DC</sub>=600V, I<sub>C</sub>=200A, V<sub>GE</sub>=±15V, R<sub>G</sub>=4.7Ω



S-120 Series



Technical documents | MT5F19889

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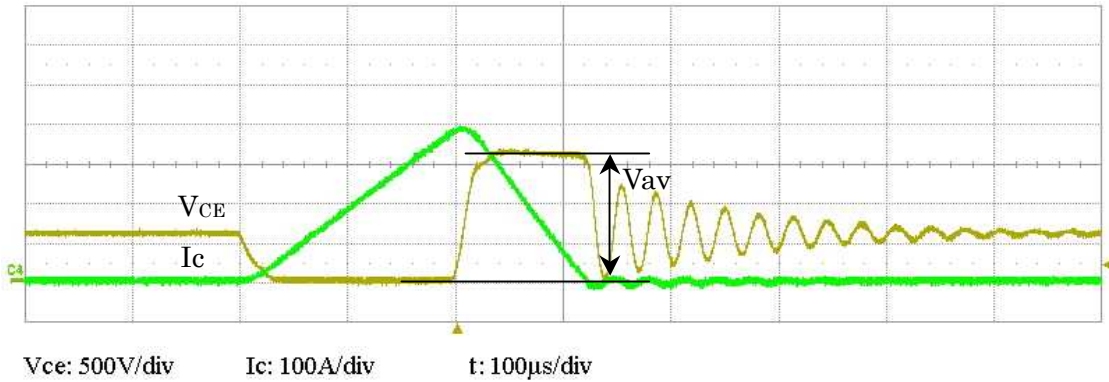
**Fuji IGBT Modules S-120 Series**

**Dynamic avalanche voltage vs.  $T_j$  characteristics**

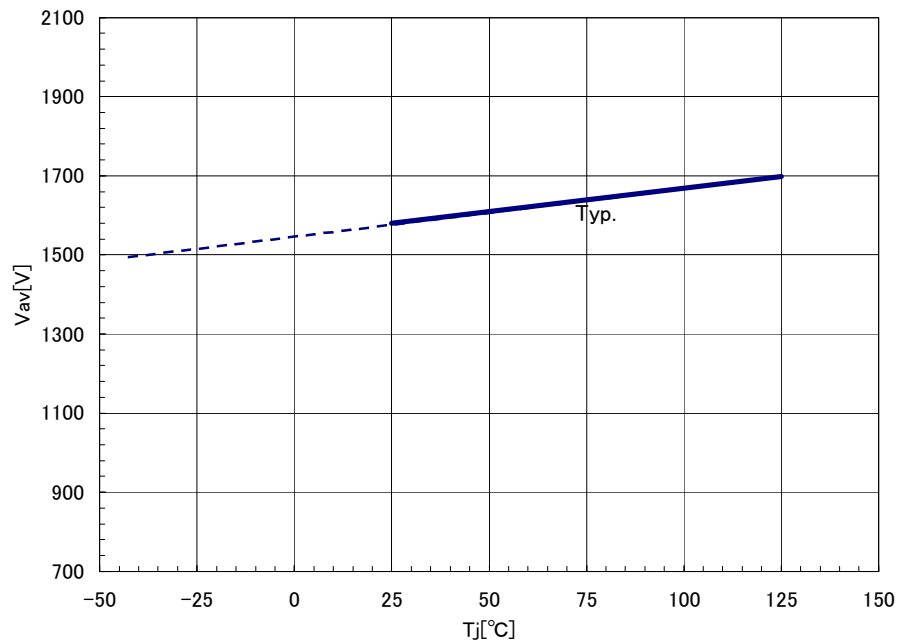
Sample: 2MBI200U2A-120

Conditions:  $V_{DC}=600V$  ,  $I_C=2 \times \text{Rated}$

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



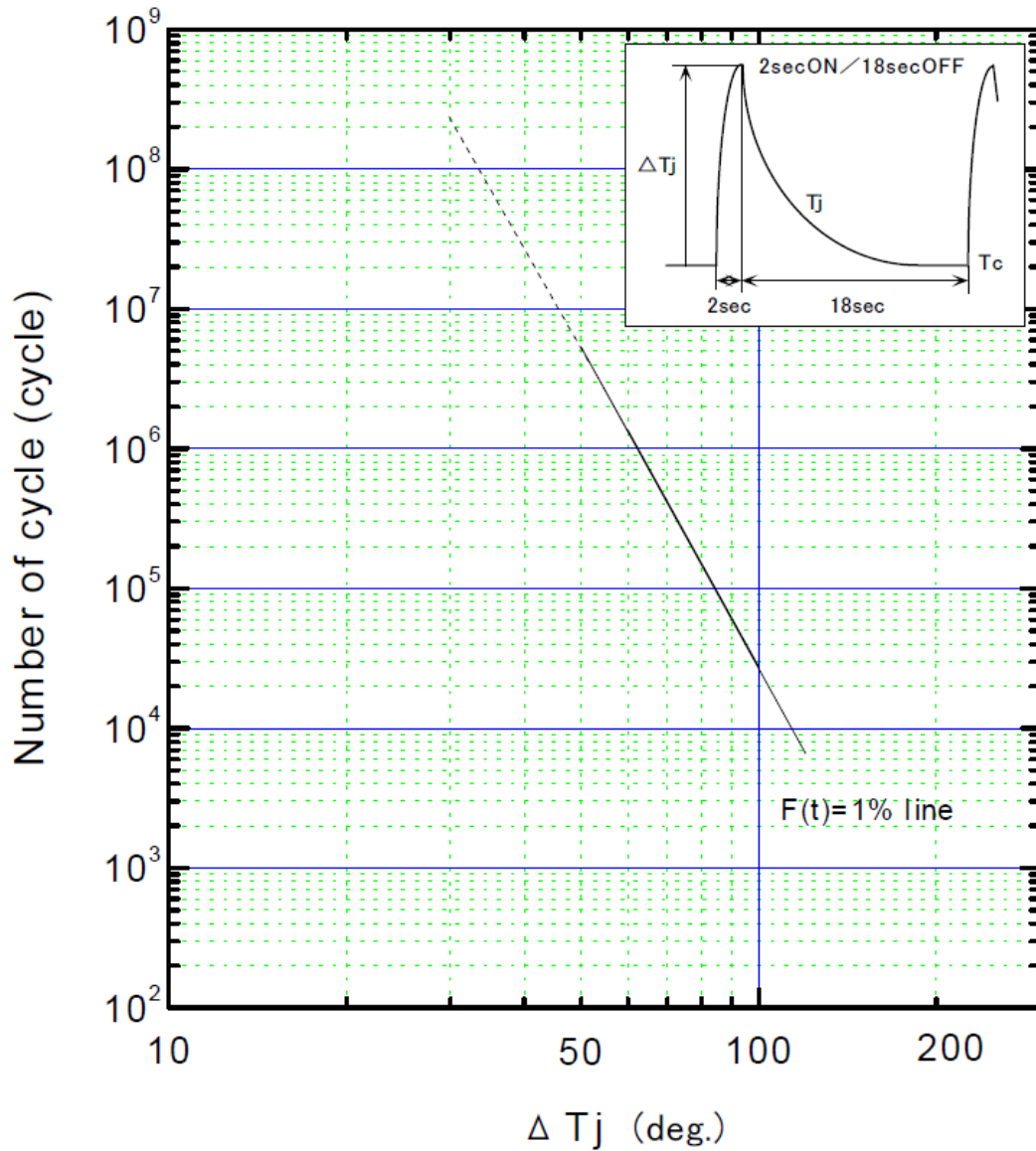
2MBI200S-120



Technical documents | MT5F19892

2008-03-27

**Fuji IGBT Modules S Series**  
**Power cycle capability**



Technical documents | MT6M3947

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  - Machine tools
  - Audiovisual equipment
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  - Personal equipment
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  - Emergency equipment for responding to disasters and anti-burglary devices
  - Safety devices
  - Medical equipment
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