

FUJI Small IPM X series

ΔT_{vj} Power cycling lifetime curve

This document shows the ΔT_{vj} power cycling lifetime curve.

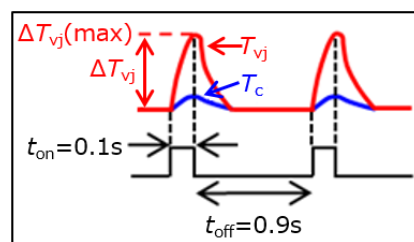
The curve is shown by Weibull analysis at $F(t)=1\%$.

These are actual results. Please use with an appropriate margin.

The dotted lines below 60°C show estimated values.

For applications where ΔT_{vj} change frequently, please calculate the lifetime in advance.

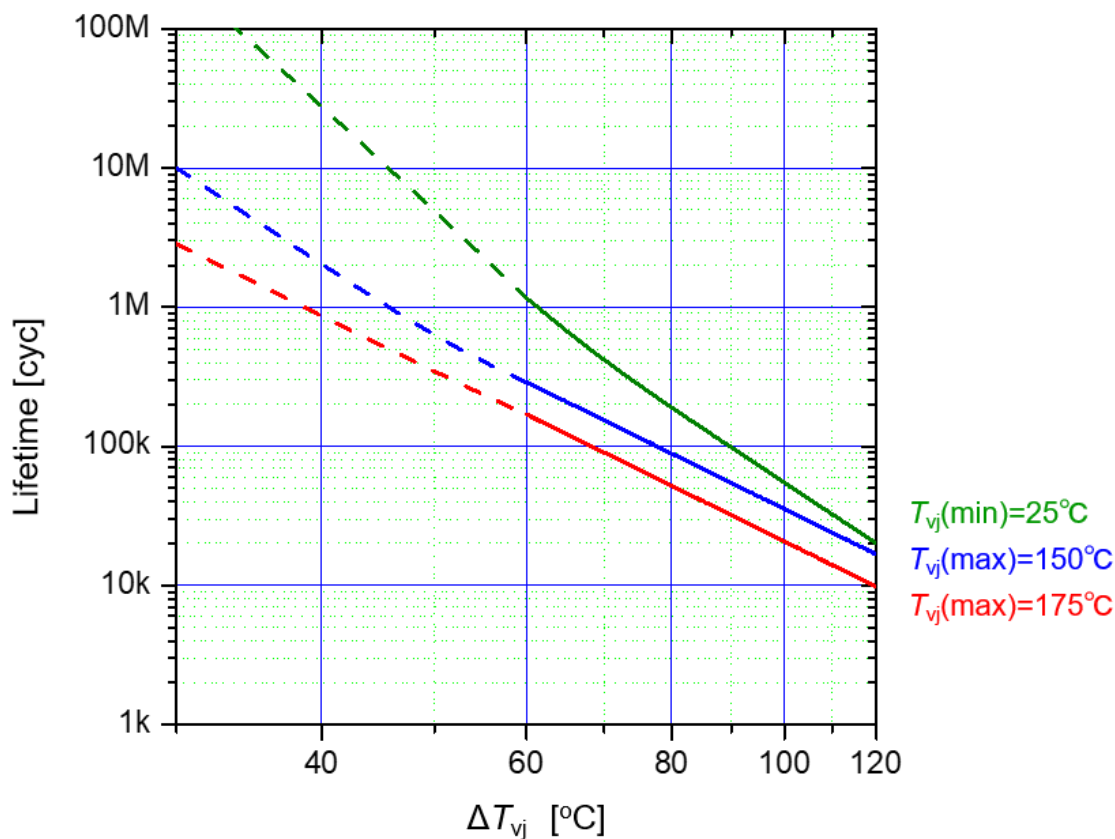
Type name: 6MBP15XSD(F)060-50, 6MBP50XTA(C)065-50
 6MBP20XSD(F)060-50, 6MBP75XTA(C)065-50
 6MBP30XSD(F)060-50,
 6MBP35XSD(F)060-50,



ΔT_{vj} Power cycling test waveform

Typical ΔT_{vj} Power cycling lifetime curve

$I_C \leq I_{C(\text{rated})}$, $F(t)=1\%$



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