

# PSpice Model

## ESD Protection Diode

### TOSHIBA

### DF5A6.8JE



### Model Information

**Model** A macro model based on general SPICE diode model  
**Call Name** MDC\_DF5A6\_8JE\_PS  
**Pin Assign** 1:A 2:C  
**File List** Model Library MDC\_DF5A6\_8JE\_PS01.lib  
 Model Report MDC\_DF5A6\_8JE\_PS.pdf (this file)

**Verified Simulator Version** PSpice version 16.6  
**Note**

### References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version 2014-03-01
- Product name DF5A6.8JE
- Company name Toshiba Corporation
- Characteristics CjVr,IrVr(Breakdown)

### Simulation Range

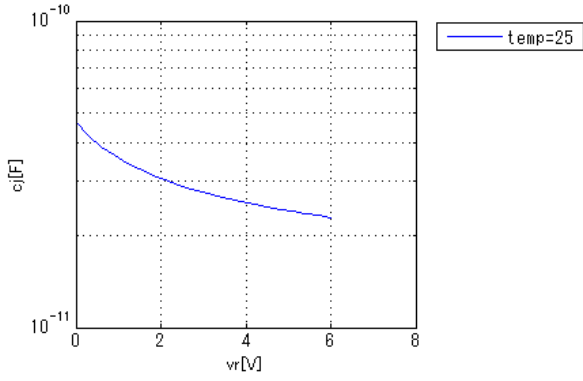
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Reverse Voltage	0	to	13.6	V
Temperature	-55	to	150	deg C

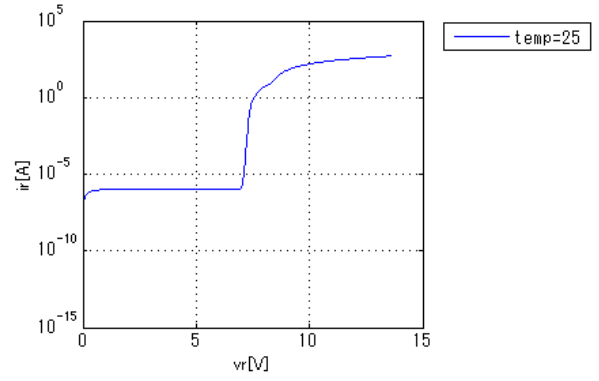
Simulation results are following.  
Explanatory notes — : simulated

**CjVr**

Freq. = 1MHz



**IrVr(Breakdown)**



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