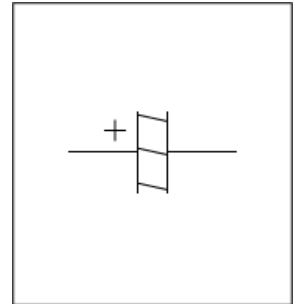


# PSpice Model

## Aluminum Electrolytic Capacitor

### NIPPON CHEMI-CON

### HHXJ250GRA151MF80G



### Model Information

**Model** An original macro model  
**Call Name** MDC\_HHXJ250GRA151MF80G\_PS  
**Pin Assign** 1:1 2:2  
**File List** Model Library MDC\_HHXJ250GRA151MF80G\_PS01.lib  
 Model Report MDC\_HHXJ250GRA151MF80G\_PS.pdf (this file)

**Verified Simulator Version** PSpice version 17.2  
**Note**

### References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version Unknown
- Product name HHXJ250GRA151MF80G
- Company name NIPPON CHEMI-CON CORPORATION
- Characteristics ImpedanceFreq,CapacitanceFreq

### 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. |       |
| Frequency   | 100   | to | 1G   | Hz    |
| Temperature | 20    | to | 20   | deg C |

Capacitor

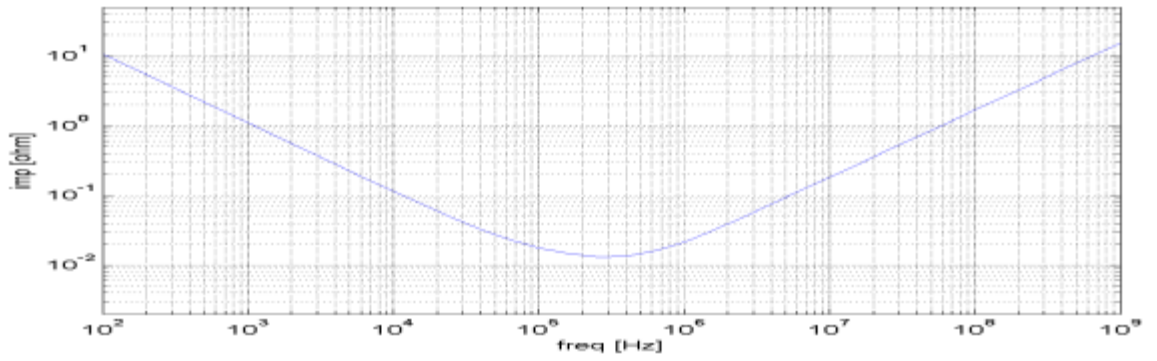
○ : Implemented  
 × : Not Implemented  
 — : Not applicable

**Model Functions Table**

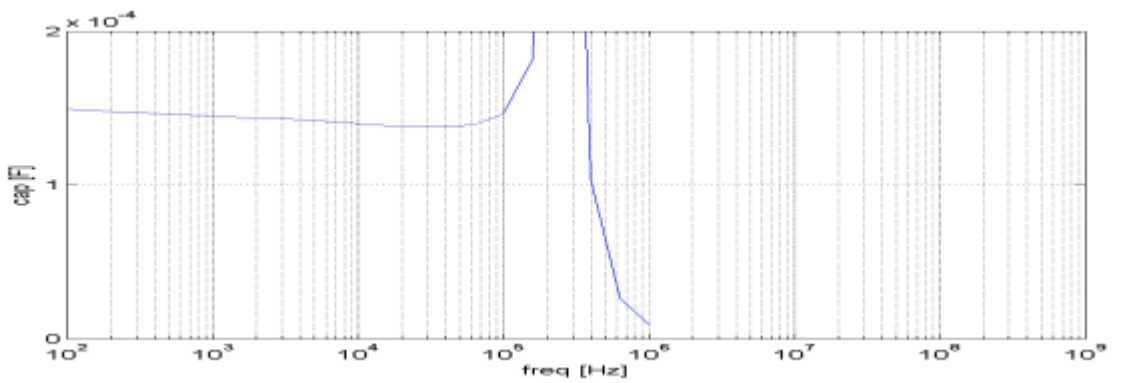
|                       |      | RANK=1      |
|-----------------------|------|-------------|
| Functions             | RANK | Implemented |
| Impedance-Frequency   | 1    | ○           |
| Capacitance-Frequency | 1    | ○           |

Simulation results are following.  
 Explanatory notes — : simulated

**ImpedanceFreq**



**CapacitanceFreq**



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