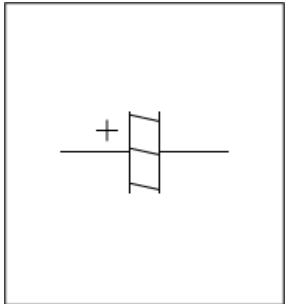


# LTspice Model

## Aluminum Electrolytic Capacitor

### Panasonic

### EEHZX1E181U



#### Model Information

|                                   |                         |                                    |  |
|-----------------------------------|-------------------------|------------------------------------|--|
| <b>Model</b>                      | An original macro model |                                    |  |
| <b>Call Name</b>                  | MDC_EEHZX1E181U_LT      |                                    |  |
| <b>Pin Assign</b>                 | 1:1 2:2                 |                                    |  |
| <b>File List</b>                  | Model Library           | MDC_EEHZX1E181U_LT01.lib           |  |
|                                   | Model Report            | MDC_EEHZX1E181U_LT.pdf (this file) |  |
| <b>Verified Simulator Version</b> | LTspice version XVII    |                                    |  |
| <b>Note</b>                       |                         |                                    |  |

#### References

The information which was used for modeling is as follow:

|                  |                               |
|------------------|-------------------------------|
| [Data Sheet]     |                               |
| ●Date/Version    | Unknown                       |
| ●Product name    | EEHZX1E181U                   |
| ●Company name    | Panasonic 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

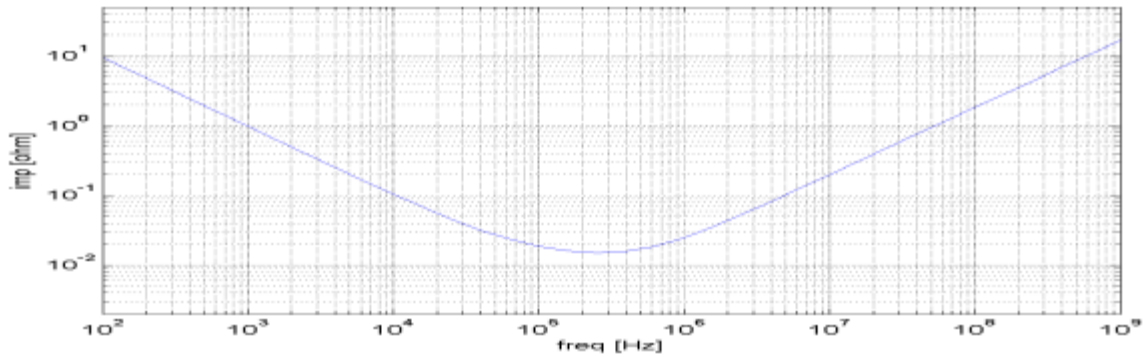
○ : Implemented  
× : Not Implemented  
— : Not applicable

Model Functions Table

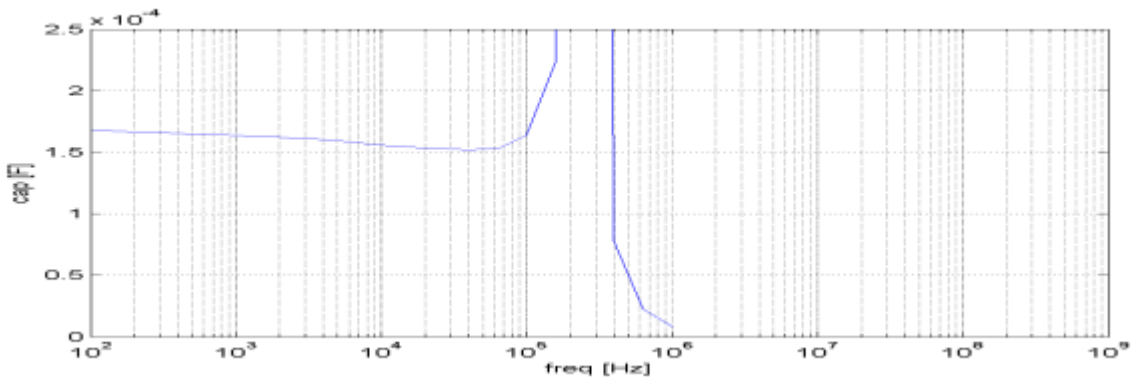
| RANK=1                |      |             |
|-----------------------|------|-------------|
| Functions             | RANK | Implemented |
| Impedance-Frequency   | 1    | ○           |
| Capacitance-Frequency | 1    | ○           |

Simulation results are following.  
Explanatory notes    — : simulated

ImpedanceFreq



CapacitanceFreq



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