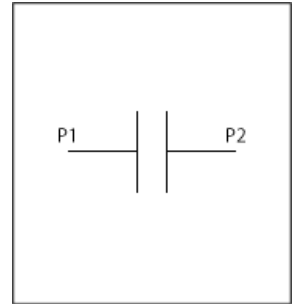


# LTspice Model

## Ceramic Capacitor

### SAMSUNG

### CL31B105KBHNNPE



#### Model Information

**Model** An original macro model  
**Call Name** MDC\_CL31B105KBHNNPE\_LT  
**Pin Assign** 1:P1 2:P2  
**File List** Model Library MDC\_CL31B105KBHNNPE\_LT01.lib  
 Model Report MDC\_CL31B105KBHNNPE\_LT.pdf (this file)

**Verified Simulator Version** LTspice version XVII  
**Note**

#### References

The information which was used for modeling is as follow:

[Measured]

- Date 15/01/2019
- Company name MoDeCH Inc.
- Characteristics Imp.Freq.,EsrFreq.,Cap.Freq.,Cap.Vbias

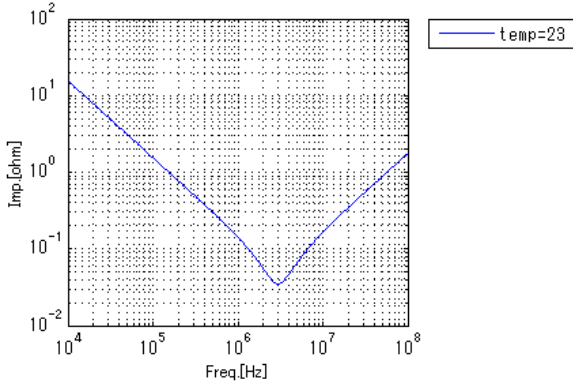
#### Simulation Range

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

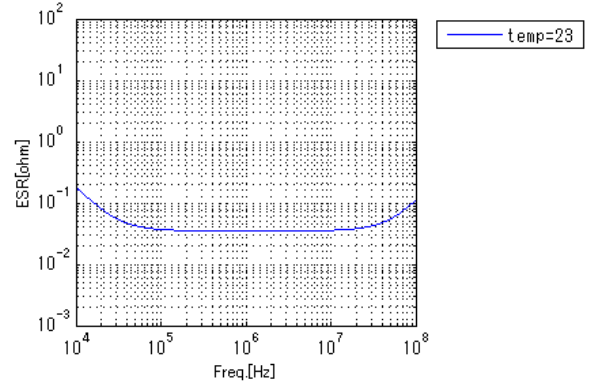
Item	Range			Unit
	Min.		Max.	
Frequency	10k	to	100Meg	Hz
Temperature	23	to	23	deg C

Simulation results are following.  
 Explanatory notes — : simulated

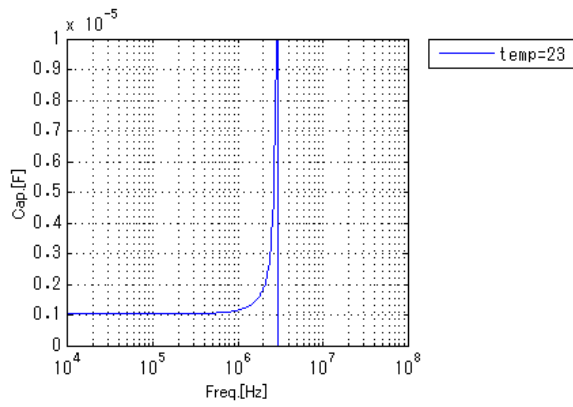
**Imp.Freq.**



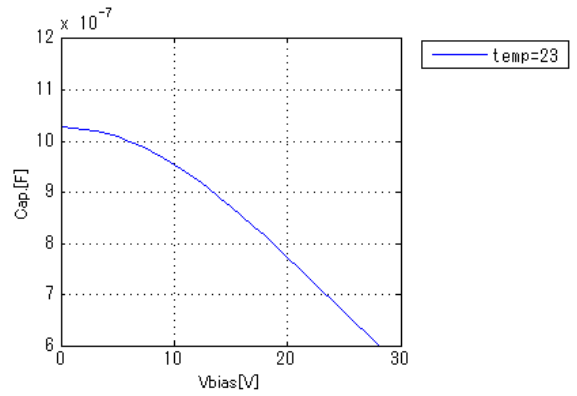
**EsrFreq.**



**Cap.Freq.**



**Cap.Vbias**



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