

# PSpice Model

## Aluminum Electrolytic Capacitor

### Rubycon

### 25YXG1000MEFCT810X20

#### Model Information

**Model** An original macro model  
**Call Name** MDC\_25YXG1000MEFCT810X20\_PS  
**Pin Assign** 1:1 2:2  
**File List** Model Library MDC\_25YXG1000MEFCT810X20\_PS01.lib  
 Model Report MDC\_25YXG1000MEFCT810X20\_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 25YXG1000MEFCT810X20
- Company name Rubycon Corporation
- Characteristics ImpedanceFreq,ESRFreq,CapacitanceFreq,InductanceFreq

#### 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	25	to	25	deg C

Capacitor

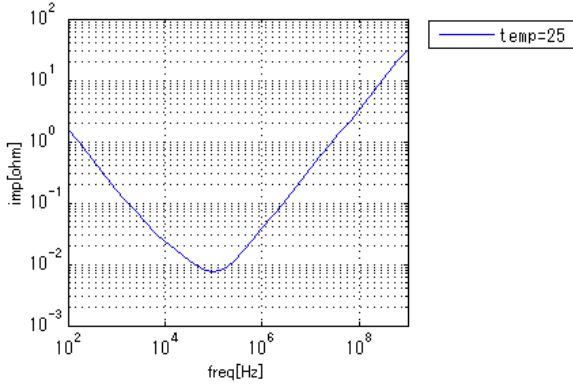
○ : Implemented  
 × : Not Implemented  
 — : Not applicable

Model Functions Table

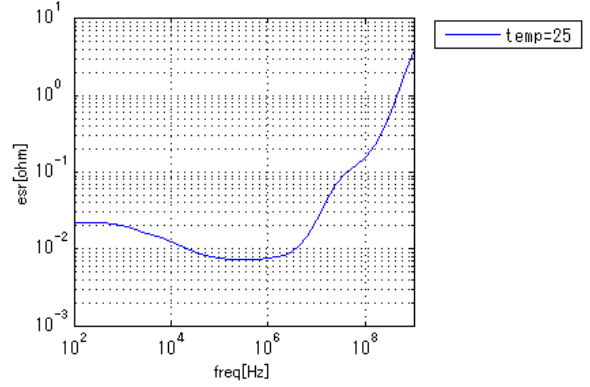
		RANK=1
Functions	RANK	Implemented
Impedance-Frequency	1	○
ESR-Frequency	1	○
Capacitance-Frequency	1	○
Inductance-Frequency	1	○

Simulation results are following.  
 Explanatory notes — : simulated

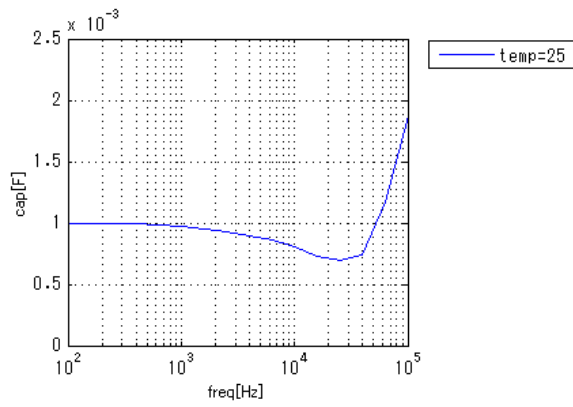
**Impedance-Freq**



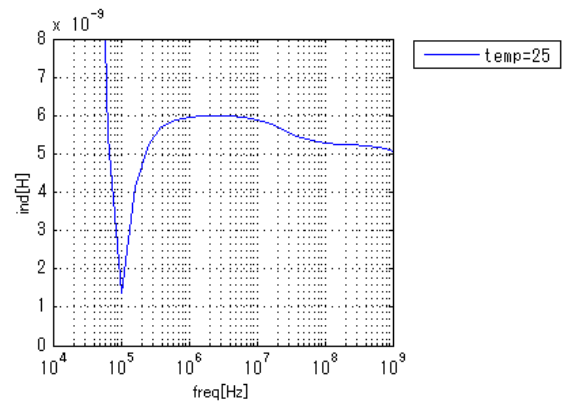
**ESR-Freq**



**Capacitance-Freq**



**Inductance-Freq**



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