

PSpice Model

Varistor

Panasonic

ERZV14D471



Model Information

Model	An original macro model		
Call Name	MDC_ERZV14D471_PS		
Pin Assign	1:1 2:2		
File List	Model Library	MDC_ERZV14D471_PS01.lib	
	Model Report	MDC_ERZV14D471_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 2021/12/23
- Product name ERZV14D471
- Company name Panasonic Corporation
- Characteristics VrIr[Temp],CjVr,SurgeWaveform

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.	
Temperature	-40	to	125	deg C

Surge Absorber

○ : Implemented
 × : Not Implemented
 — : Not applicable

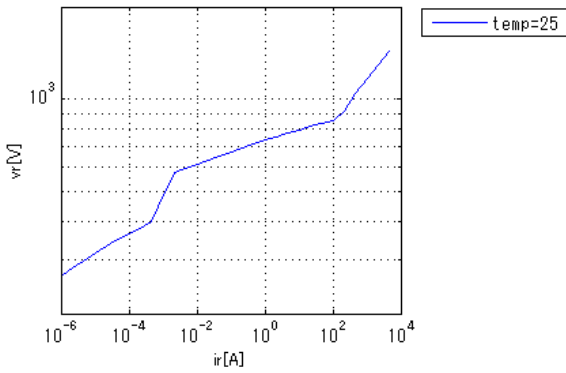
Model Functions Table

RANK=1

Functions	RANK	Implemented
V-I(Temp)	1	○
Capacitance	1	○
Surge current-Transient	1	○

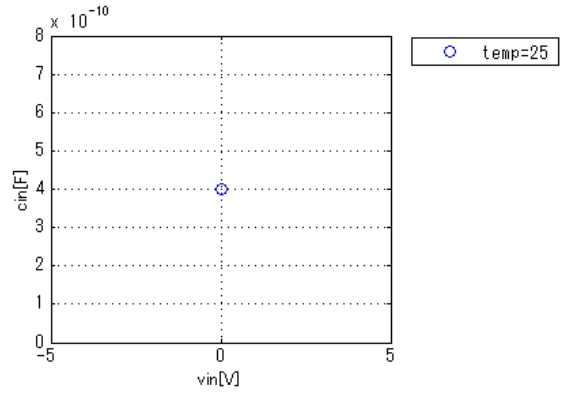
Simulation results are following.
 Explanatory notes — : simulated

Vrlr[Temp]

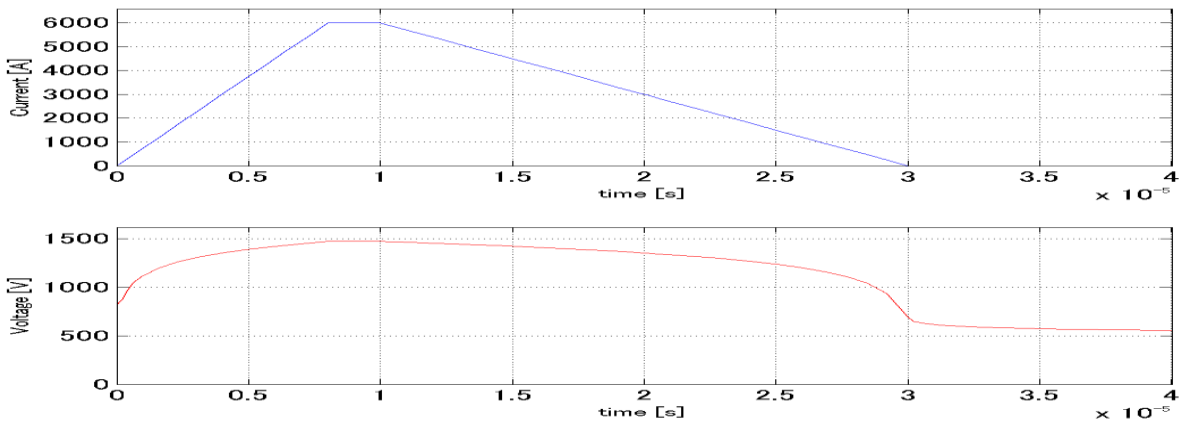


CjVr

Freq. = 0.001MHz



Surge Current Waveform (8u / 20u)



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