

MDC_R5K-900P45U_PS

PSpice Model Surge Absorber OKAYA R5K-900P45U

Model Information

ModelAn original macro modelCall NameMDC_R5K-900P45U_PSPin Assign1:1 2:2File ListModel Library
Model Report

MDC_R5K-900P45U_PS01.lib MDC_R5K-900P45U_PS.pdf (this file)

Verified Simulator Version Note

PSpice version 17.2

References

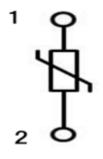
The information which was used for modeling is as follow:

Unknown R5K-900P45U OKAYA ELECTRIC INDUSTRIES CO.,LTD. IfVf[Temp],IrVr[Temp],CjVr,DcFiringPotential,SurgeCurrent,S urgeVoltage

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.	
DC firing potential	90	to	90	V
Temperature	-20	to	80	deg C



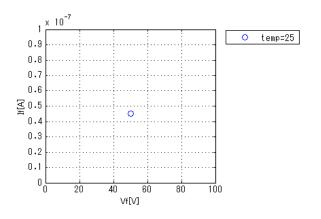


Surge Absorber		O : Implemented × : Not Implemented	
Model Functions Table	RANK=1 -: Not applicable		
Functions	RANK	Implemented	
IF-VF(Temp)	1	0	
IR-VR(Temp)	1	0	
Capacitance	1	0	
DC firing potential	1	0	
Surge voltage-Transient	1	0	

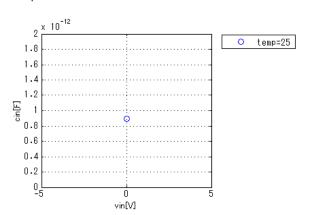


Simulation results are following. Explanatory notes -: simulated

lfVf[Temp]

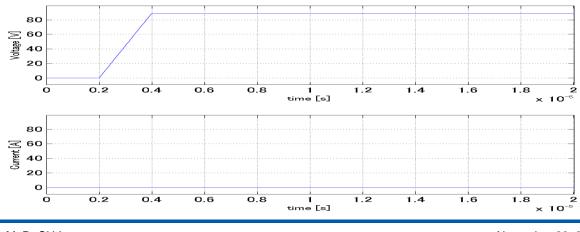






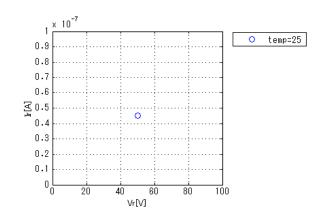
DC Firing Potential (not reached at 90*0.99V)

Rload = 2 ohm



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IrVr[Temp]

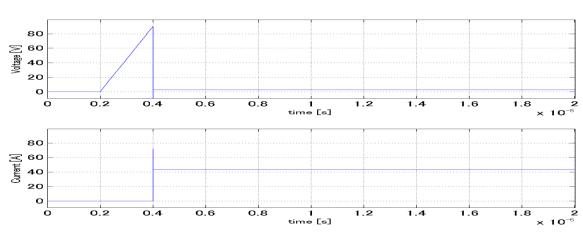




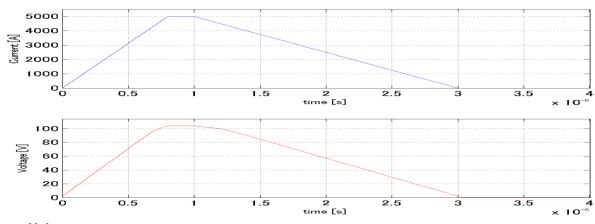
Simulation results are following. Explanatory notes — : simulated

DC Firing Potential (reached at 90V)



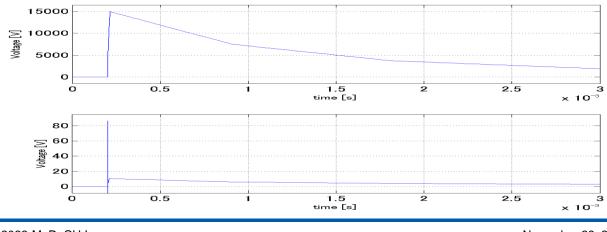


Surge Current



Surge Voltage

UP R=1Gohm DOWN DUT





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