

MDC_RHCA-501P31U_LT

LTspice Model Surge Absorber OKAYA RHCA-501P31U

Model Information

ModelAn original macro modelCall NameMDC_RHCA-501P31U_LTPin Assign1:1 2:2File ListModel LibraryMModel ReportM

MDC_RHCA-501P31U_LT01.lib MDC_RHCA-501P31U_LT.pdf (this file)

Verified Simulator Version Note

LTspice version XVII

References

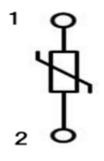
The information which was used for modeling is as follow:

Unknown RHCA-501P31U 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	500	to	500	V
Temperature	-20	to	80	deg C



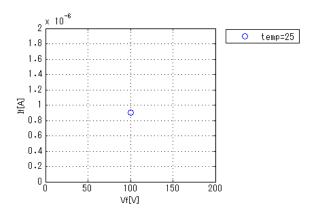


Surge Absorber		O : Implemented × : Not Implemented	
Model Functions Table	RANK=1	— : Not applicable	
Functions	RANK	Implemented	
IF-VF(Temp)	1	0	
IR-VR(Temp)	1	0	
Capacitance	1	0	
DC firing potential	1	0	
Surge voltage-Transient	1	0	



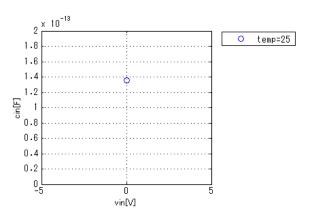
Simulation results are following. Explanatory notes -: simulated

lfVf[Temp]



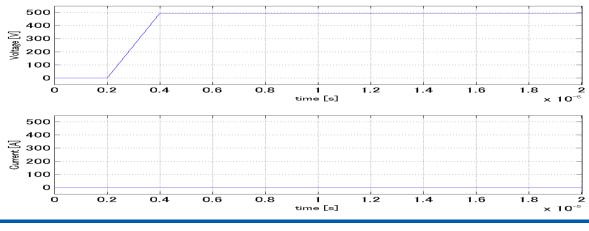


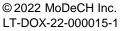
Freq = 1000000Hz



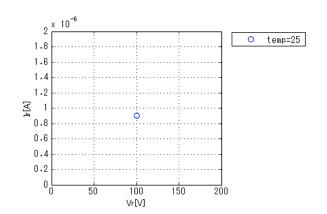
DC Firing Potential (not reached at 5000*0.99V)

Road = 2 ohm





IrVr[Temp]

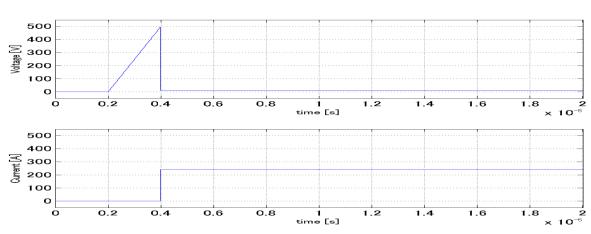




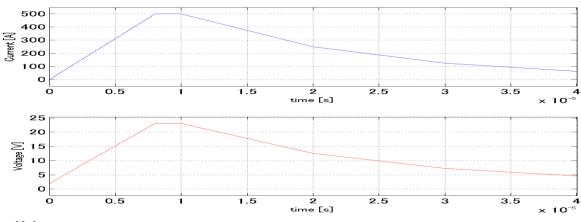
Simulation results are following. Explanatory notes — : simulated

DC Firing Potential (reached at 500V)



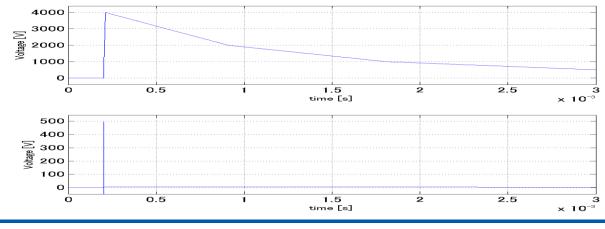






Surge Voltage

UP R=1Gohm DOWN DUT



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