



PSpice Model Transient Voltage Suppressors Diode Nexperia BZX84-B20

Model Information

Model	A macro mode	l	
Call Name	MDC_BZX84-B20_PS		
Pin Assign	1:A 2:nc 3:C		
File List	Model Library	MDC_BZX84-B20_PS.lib	
	Model Report	MDC_BZX84-B20_PS.pdf	

Verified Simulator Version

Note

References

The information which was used for modeling is as follow:

[Data Sheet]	
Date/Version	
Product name	
Company name	

6 March 2014 BZX84-B20 Nexperia

[Characteristics listed]

Characteristics
IfVf,IrVr,CjVr

Simulation Condition

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

Item	Condition	Unit
Temperature	25	deg C

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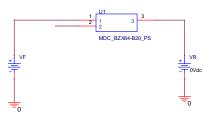
MDC_BZX84-B20_PS

Diode		O : Implemented × : Not Implemented — : Not applicable	
Model Functions Table	RANK=1		
Functions	RANK	Implemented	
IF-VF(Temp)	1	0	
IR-VR(Temp)	1	0	
Capacitance	1	0	
Reverse recovery characteristics	1	—	
Rectification characteristics(Bridge)	1	—	
Surge voltage-Transient	2	—	

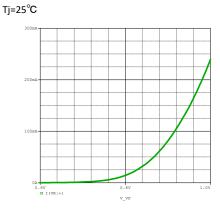


Simulation results are following. Explanatory notes — : simulated

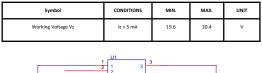
IfVf Testbench



IfVf Data Sheet

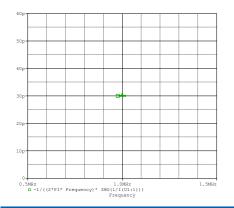


CjVr Testbench

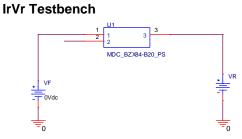




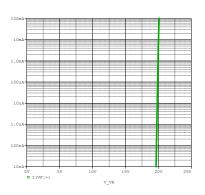
CjVr Data Sheet



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IrVr Data sheet





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