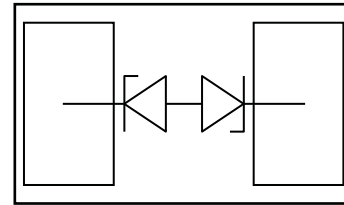
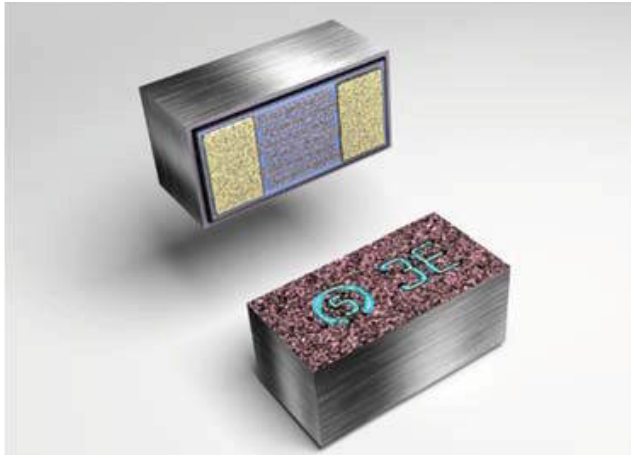




Bidirectional Symmetrical ESD Protection Device in CLP0603



PSpice model for subcircuit VCUT03E1-SD0:

* Vishay Semiconductor GmbH
* Claus Mähner, October 2017
*

.SUBCKT VCUT03E1 1 2

*
Df1 c 1 D1
Dr1 1 c D2
Df2 c 2 D1
Dr2 2 c D2
*

.MODEL D1 D
+IS=1.02E-12
+N=1.41
+ISR=1.00E-16
+NR=1000
+RS=0.075
+IKF=100
+CJO=2.65E-11
+M=0.26
+VJ=0.53
+BV=7.5
+IBV=0.001
+NBV=1
+IBVL=0
+NBVL=1
+TT=0
*

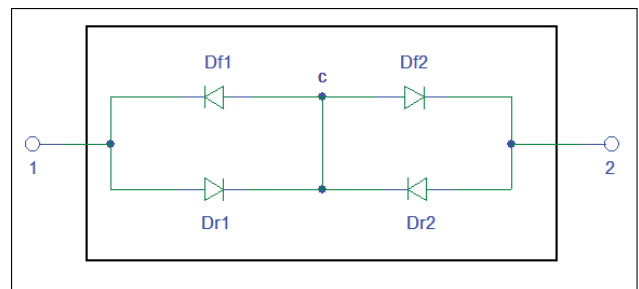
.MODEL D2 D
+IS=6E-12
+N=32
+ISR=0
+NR=100
+RS=0
+IKF=1000000
*

.ENDS VCUT03E1

Remarks:

RS = 75 mΩ is the physical series resistance of the diode without heating

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