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*****
**** SPICE MODELING by JIM THOMPSON, http://www.analog-innovations.com/ © 2014 ****
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***** PIN ORDER AS PER THE TLP192B PACKAGING *****
.SUBCKT TLP191B PIN_1 PIN_3 PIN_4 PIN_6
D_D1      N_1 PIN_4 D
F_F1      PIN_4 PIN_6 VF_F1 2.8984m
VF_F1     N_2 PIN_3 0
E_E3      N_3 N_2 PIN_1 N_3 1
R_R1      PIN_6 PIN_4 875K
E_E2      PIN_6 N_1 N_1 PIN_4 12.5
GDC_I1    PIN_1 PIN_3 VALUE {(1+TANH(2.2/0.1*(V(PIN_1,PIN_3)-0.3)))/2*605.5u}
.MODEL    D D( IS=5f IKF=1.1uA EG=1.34)
.MODEL    DLED D(RS=823m)
D_D2      PIN_1 N_3 DLED
.ENDS     TLP191B

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