



.model LED\_g D(IS=7.33e-15 N=2.645 RS=1.472 BV=15.0 IBV=0.5uA CJO=19pF  
+ Vj=0.6323 M=0.322 lave=0.02 Vpk=4 type=LED mfg=standard)  
model from <http://www.madlabo.com/mad/edat/spice/diode/diode.lib>  
capacitor working voltage >=10V