

OpampCornerTester

=====PROCESS CHANGE=====

npnbf=150 npnvaf=200 pnpbf=150 pnpvaf=200 Ressq=1000

-----CONDITION CHANGE-----

Temp_C= -45 Vcc=5 Vcm=1.5 Vout=1.5005 Iout=5.00499E-05 Is=0.00028979
vos = -0.000462471 Iin =4.30376E-08 Ioff=1.00231E-09 Cmrr_dB=116.067 Psrr_dB=98.4266
Avol_dB=107.161 Ioutn = 0.00243266 Ioutp = -0.00294994
GBW_MHz = 6.12654 Pmarg_deg = 23.4236

-----CONDITION CHANGE-----

Temp_C= -45 Vcc=10 Vcm=1.5 Vout=1.50036 Iout=5.00364E-05 Is=0.000304426
vos = -0.000405388 Iin =4.50844E-08 Ioff=9.20386E-10 Cmrr_dB=116.834 Psrr_dB=99.2743
Avol_dB=107.161 Ioutn = 0.00243266 Ioutp = -0.00294994
GBW_MHz = 6.12654 Pmarg_deg = 23.4236

-----CONDITION CHANGE-----

Temp_C= 27 Vcc=5 Vcm=1.5 Vout=1.49981 Iout=4.99805E-05 Is=0.00036123
vos = -5.86116E-05 Iin =3.11517E-08 Ioff=6.989E-11 Cmrr_dB=121.107 Psrr_dB=105.608
Avol_dB=116.497 Ioutn = 0.00304997 Ioutp = -0.00295002
GBW_MHz = 5.81899 Pmarg_deg = 22.1154

-----CONDITION CHANGE-----

Temp_C= 27 Vcc=10 Vcm=1.5 Vout=1.49974 Iout=4.9974E-05 Is=0.000379897
vos = -3.35433E-05 Iin =3.26127E-08 Ioff=4.1872E-11 Cmrr_dB=121.769 Psrr_dB=106.386
Avol_dB=116.497 Ioutn = 0.00304997 Ioutp = -0.00295002
GBW_MHz = 5.81899 Pmarg_deg = 22.1154

-----CONDITION CHANGE-----

Temp_C= 127 Vcc=5 Vcm=1.5 Vout=1.49927 Iout=4.99275E-05 Is=0.000436461
vos = 0.000255447 Iin =2.12736E-08 Ioff=1.56226E-10 Cmrr_dB=87.8709 Psrr_dB=85.1946
spec failure #####
Avol_dB=87.9893 Ioutn = 0.00304992 Ioutp = -0.00295007
GBW_MHz = 5.39699 Pmarg_deg = 20.8221

-----CONDITION CHANGE-----

Temp_C= 127 Vcc=10 Vcm=1.5 Vout=1.49913 Iout=4.99126E-05 Is=0.000459375
vos = 0.000324528 Iin =2.22616E-08 Ioff=2.07648E-10 Cmrr_dB=104.686 Psrr_dB=95.3739
Avol_dB=87.9893 Ioutn = 0.00304992 Ioutp = -0.00295007
GBW_MHz = 5.39699 Pmarg_deg = 20.8221

=====PROCESS CHANGE=====

npnbf=150 npnvaf=200 pnpbf=150 pnpvaf=200 Ressq=1200

-----CONDITION CHANGE-----

Temp_C= -45 Vcc=5 Vcm=1.5 Vout=1.50056 Iout=5.00559E-05 Is=0.000245686
vos = -0.000457434 Iin =3.58542E-08 Ioff=8.25919E-10 Cmrr_dB=118.685 Psrr_dB=98.4783
Avol_dB=105.732 Ioutn = 0.00222604 Ioutp = -0.00294993
GBW_MHz = 5.11669 Pmarg_deg = 19.9897

-----CONDITION CHANGE-----

Temp_C= -45 Vcc=10 Vcm=1.5 Vout=1.50043 Iout=5.00429E-05 Is=0.00025786
vos = -0.000400689 Iin =3.75587E-08 Ioff=7.57863E-10 Cmrr_dB=119.392 Psrr_dB=99.3257
Avol_dB=105.732 Ioutn = 0.00222604 Ioutp = -0.00294993
GBW_MHz = 5.11669 Pmarg_deg = 19.9897

-----CONDITION CHANGE-----

Temp_C= 27 Vcc=5 Vcm=1.5 Vout=1.49985 Iout=4.9985E-05 Is=0.000305283
vos = -5.49181E-05 Iin =2.59495E-08 Ioff=5.45496E-11 Cmrr_dB=122.522 Psrr_dB=105.686
Avol_dB=115.208 Ioutn = 0.00304998 Ioutp = -0.00295001
GBW_MHz = 4.86505 Pmarg_deg = 19.1319

-----CONDITION CHANGE-----

Temp_C= 27 Vcc=10 Vcm=1.5 Vout=1.49979 Iout=4.99788E-05 Is=0.000320823
vos = -3.00707E-05 Iin =2.71658E-08 Ioff=3.12674E-11 Cmrr_dB=123.128 Psrr_dB=106.463
Avol_dB=115.208 Ioutn = 0.00304998 Ioutp = -0.00295001
GBW_MHz = 4.86505 Pmarg_deg = 19.1319

-----CONDITION CHANGE-----

Temp_C= 127 Vcc=5 Vcm=1.5 Vout=1.49922 Iout=4.99218E-05 Is=0.000368091
vos = 0.000301398 Iin =1.77195E-08 Ioff=1.53538E-10 Cmrr_dB=106.981 Psrr_dB=96.2473
Avol_dB=103.931 Ioutn = 0.0030499 Ioutp = -0.00295007
GBW_MHz = 4.55698 Pmarg_deg = 18.644

-----CONDITION CHANGE-----

Temp_C= 127 Vcc=10 Vcm=1.5 Vout=1.49902 Iout=4.99016E-05 Is=0.000387164
vos = 0.000398355 Iin =1.85419E-08 Ioff=2.12338E-10 Cmrr_dB=102.463 Psrr_dB=92.3282
Avol_dB=103.931 Ioutn = 0.0030499 Ioutp = -0.00295007
GBW_MHz = 4.55698 Pmarg_deg = 18.644

=====PROCESS CHANGE=====

npnbf=150 npnvaf=200 pnpbf=120 pnpvaf=200 Ressq=1200

-----CONDITION CHANGE-----

Temp_C= -45 Vcc=5 Vcm=1.5 Vout=1.50053 Iout=5.00528E-05 Is=0.000241034
vos = -0.000480162 Iin =4.36698E-08 Ioff=1.05593E-09 Cmrr_dB=121.041 Psrr_dB=98.2449
Avol_dB=104.605 Ioutn = 0.00220182 Ioutp = -0.00294993
GBW_MHz = 4.98624 Pmarg_deg = 19.8868

-----CONDITION CHANGE-----

Temp_C= -45 Vcc=10 Vcm=1.5 Vout=1.50039 Iout=5.0039E-05 Is=0.000252963
vos = -0.000421881 Iin =4.57528E-08 Ioff=9.72029E-10 Cmrr_dB=121.723 Psrr_dB=99.095
Avol_dB=104.605 Ioutn = 0.00220182 Ioutp = -0.00294993
GBW_MHz = 4.98624 Pmarg_deg = 19.8868

-----CONDITION CHANGE-----

Temp_C= 27 Vcc=5 Vcm=1.5 Vout=1.4998 Iout=4.99802E-05 Is=0.000301677
vos = -6.10638E-05 Iin =3.19433E-08 Ioff=7.46642E-11 Cmrr_dB=123.575 Psrr_dB=105.563
Avol_dB=114.261 Ioutn = 0.00304997 Ioutp = -0.00295002

GBW_MHz = 4.79159 Pmarg_deg = 19.0803
~~~~~CONDITION CHANGE~~~~~  
Temp\_C= 27 Vcc=10 Vcm=1.5 Vout=1.49974 Iout=4.99737E-05 Is=0.00031703  
vos = -3.58659E-05 Iin =3.34435E-08 Ioff=4.59118E-11 Cmrr\_dB=124.172 Psrr\_dB=106.342  
Avol\_dB=114.261 Ioutn = 0.00304997 Ioutp = -0.00295002  
GBW\_MHz = 4.79159 Pmarg\_deg = 19.0803  
~~~~~CONDITION CHANGE~~~~~  
Temp_C= 127 Vcc=5 Vcm=1.5 Vout=1.4992 Iout=4.99204E-05 Is=0.000365518
vos = 0.000287012 Iin =2.19615E-08 Ioff=1.8117E-10 Cmrr_dB=108.456 Psrr_dB=97.0602
Avol_dB=103.978 Ioutn = 0.0030499 Ioutp = -0.00295007
GBW_MHz = 4.50625 Pmarg_deg = 18.6805
~~~~~CONDITION CHANGE~~~~~  
Temp\_C= 127 Vcc=10 Vcm=1.5 Vout=1.49902 Iout=4.99018E-05 Is=0.000384461  
vos = 0.000374931 Iin =2.29817E-08 Ioff=2.47652E-10 Cmrr\_dB=103.943 Psrr\_dB=93.2179  
Avol\_dB=103.978 Ioutn = 0.0030499 Ioutp = -0.00295007  
GBW\_MHz = 4.50625 Pmarg\_deg = 18.6805