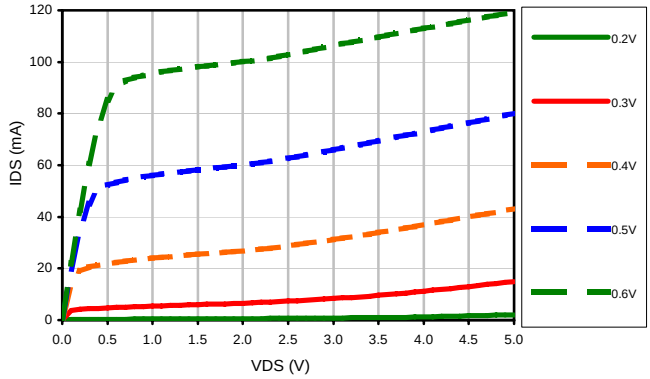
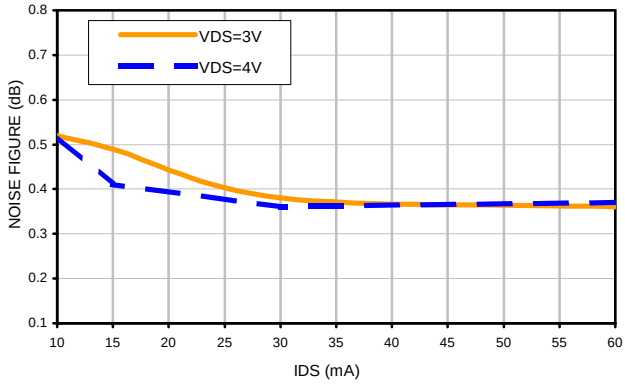
Typical Performance Curves

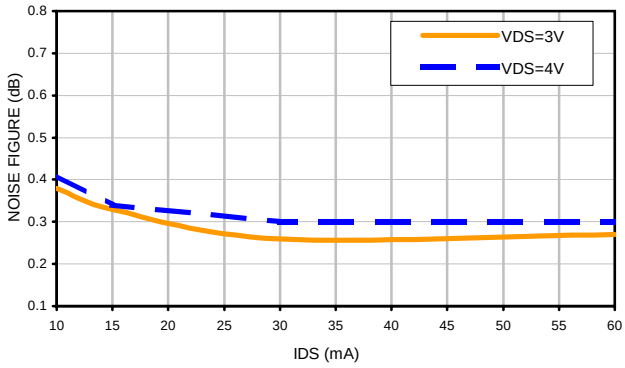
I-V (VGS=0.1V PER STEP) (2)



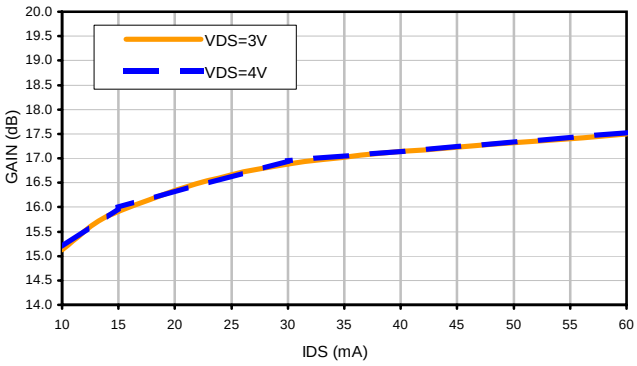
NOISE FIGURE vs IDS @ 2 GHz (1)



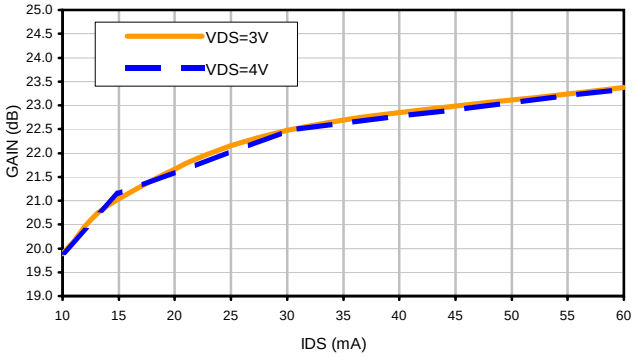
NOISE FIGURE vs IDS @ 0.9 GHz (1)



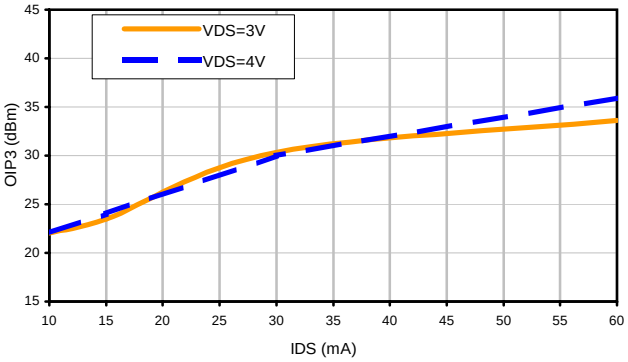
GAIN vs IDS @ 2 GHz (1)



GAIN vs IDS @ 0.9 GHz (1)



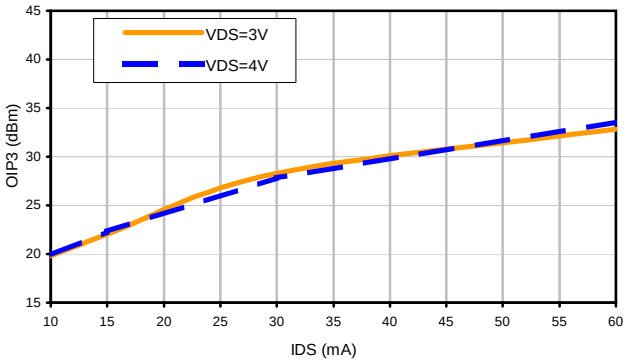
OIP3 vs IDS @ 2GHz (1)



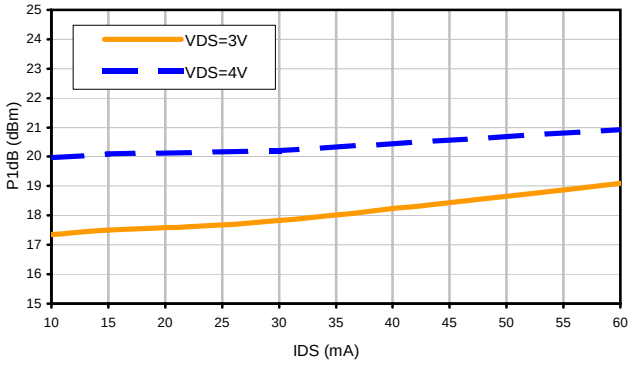
(1) Includes test board loss
(2) Measured using HP4155B semiconductor parameter analyzer

Typical Performance Curves

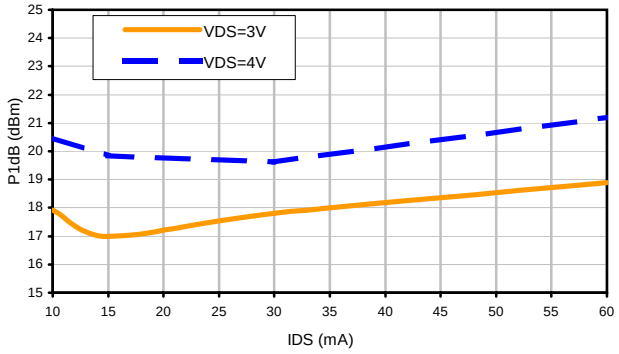
OIP3 vs IDS @ 0.9 GHz (1)



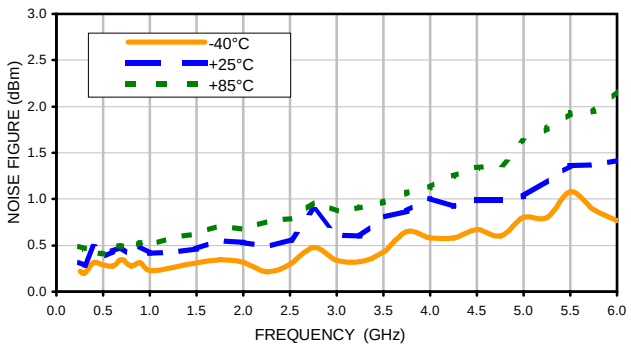
P1dB vs IDS @ 2 GHz (1,2)



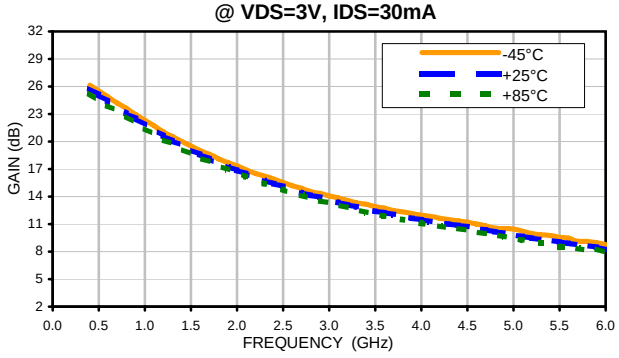
P1dB vs IDS @ 0.9 GHz (1,2)



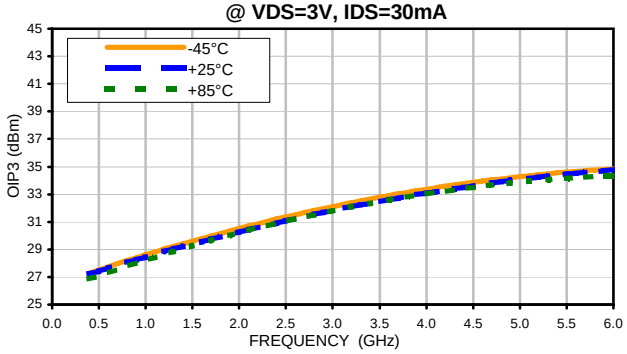
NF vs FREQUENCY & TEMPERATURE (1)
@ VDS=3V, IDS=30mA



GAIN vs FREQUENCY & TEMPERATURE (1)
@ VDS=3V, IDS=30mA



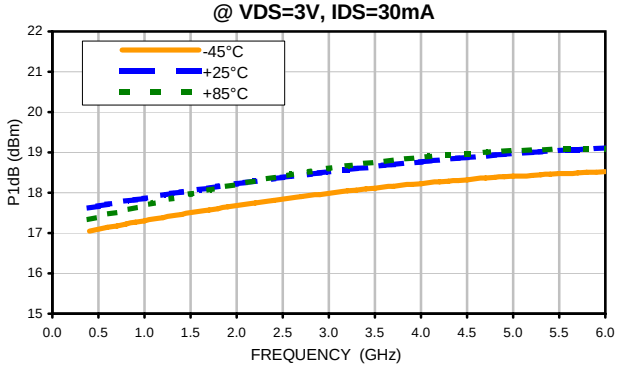
OIP3 vs FREQUENCY & TEMPERATURE (1)
@ VDS=3V, IDS=30mA



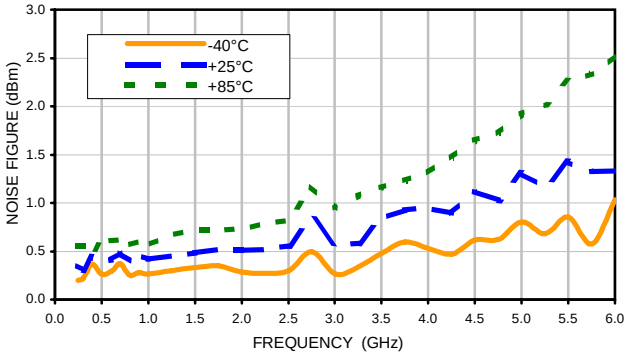
(1) Includes test board loss
(2) Drain current was allowed to increase during compression measurement

Typical Performance Curves

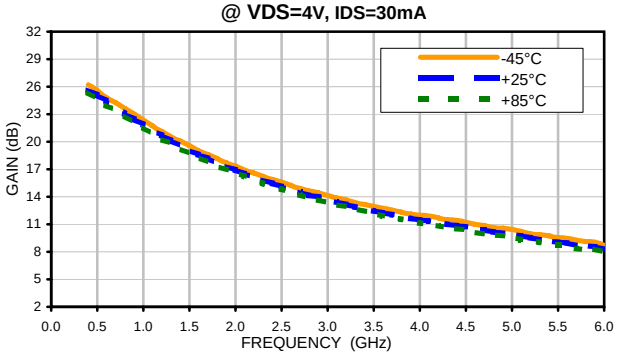
P1dB vs FREQUENCY & TEMPERATURE (1,2)
@ VDS=3V, IDS=30mA



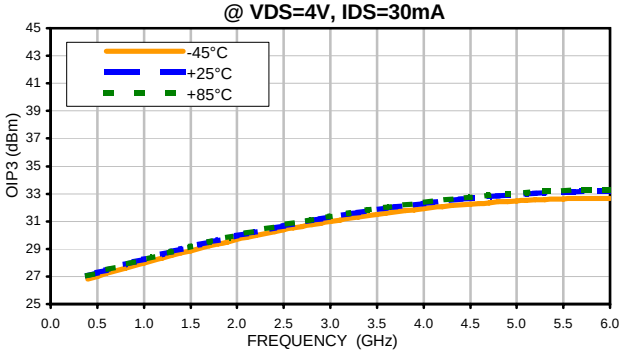
NF vs FREQUENCY & TEMPERATURE (1)
@ VDS=4V, IDS=30mA



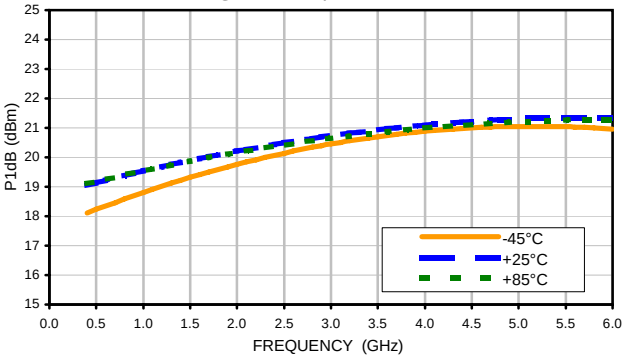
GAIN vs FREQUENCY & TEMPERATURE (1)
@ VDS=4V, IDS=30mA



OIP3 vs FREQUENCY & TEMPERATURE
@ VDS=4V, IDS=30mA



P1dB vs FREQUENCY & TEMPERATURE (1,2)
@ VDS=4V, IDS=30mA

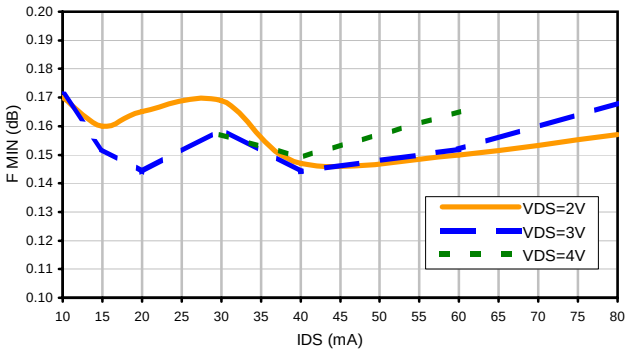


(1) Includes test board loss

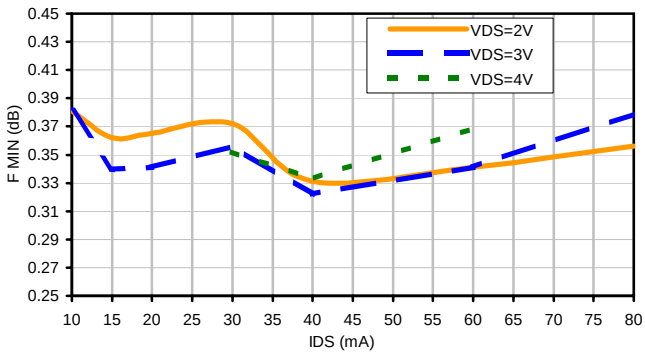
(2) Drain current was allowed to increase during compression measurement

Typical Performance Curves

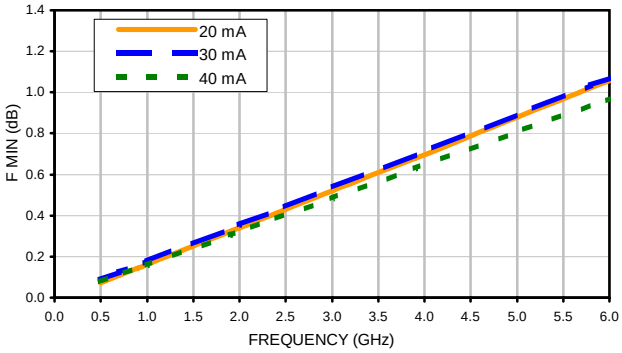
F_{MIN} vs IDS @ 0.9 GHz (1)



F_{MIN} vs IDS @ 2 GHz (1)



F_{MIN} vs FREQ @ VDS=3V (1)



(1) F MIN is minimum Noise Figure