

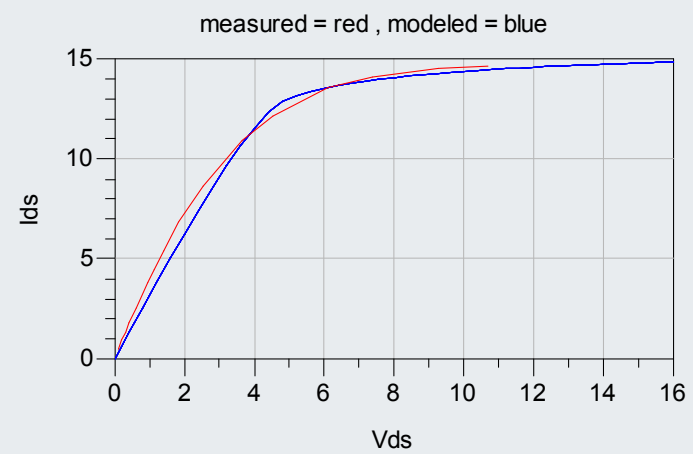
STMicroelectronics
PD57045SE MODEL REVISION 0



Quakertown , PA
Qtn-jp-224-rev0
January 23 , 2008

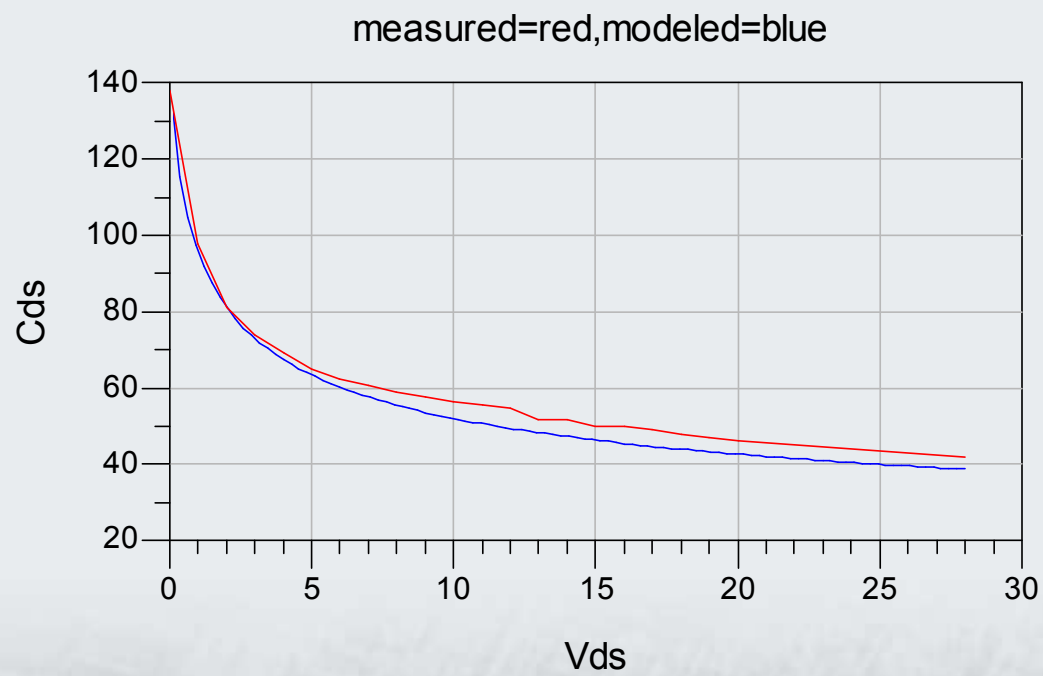
PD57045SE

DC



PD57045SE

Cds



PD57045SE

S-parameter

measured 28 V 1500 mA

freq	S(1,1)	S(2,1)	S(1,2)	S(2,2)
50.00 MHz	0.829 / -161.000	20.720 / 82.000	0.012 / 2.000	0.718 / -166.000
100.0 MHz	0.872 / -168.000	10.330 / 82.000	0.011 / -6.000	0.731 / -170.000
150.0 MHz	0.887 / -172.000	6.840 / 74.000	0.011 / -10.000	0.745 / -171.000
200.0 MHz	0.910 / -174.000	5.020 / 68.000	0.010 / -14.000	0.765 / -171.000
250.0 MHz	0.913 / -175.000	3.860 / 61.000	0.010 / -17.000	0.783 / -171.000
300.0 MHz	0.922 / -176.000	3.100 / 55.000	0.009 / -23.000	0.803 / -171.000
350.0 MHz	0.928 / -176.000	2.530 / 50.000	0.009 / -25.000	0.823 / -172.000
400.0 MHz	0.934 / -177.000	2.120 / 45.000	0.008 / -27.000	0.839 / -172.000
450.0 MHz	0.941 / -178.000	1.790 / 41.000	0.007 / -26.000	0.856 / -172.000
500.0 MHz	0.946 / -178.000	1.530 / 37.000	0.006 / -26.000	0.872 / -173.000
550.0 MHz	0.949 / -179.000	1.320 / 34.000	0.005 / -27.000	0.884 / -174.000
600.0 MHz	0.955 / -179.000	1.160 / 31.000	0.005 / -24.000	0.898 / -174.000
650.0 MHz	0.959 / -180.000	1.030 / 27.000	0.004 / -18.000	0.902 / -175.000
700.0 MHz	0.960 / -180.000	0.910 / 25.000	0.004 / -17.000	0.914 / -175.000
750.0 MHz	0.963 / -179.000	0.810 / 22.000	0.003 / -7.000	0.919 / -176.000
800.0 MHz	0.967 / -179.000	0.730 / 19.000	0.003 / -1.000	0.928 / -176.000
850.0 MHz	0.968 / -178.000	0.670 / 17.000	0.003 / 11.000	0.927 / -177.000
900.0 MHz	0.968 / -178.000	0.600 / 15.000	0.003 / 28.000	0.937 / -178.000
950.0 MHz	0.972 / -178.000	0.550 / 12.000	0.003 / 36.000	0.939 / -178.000

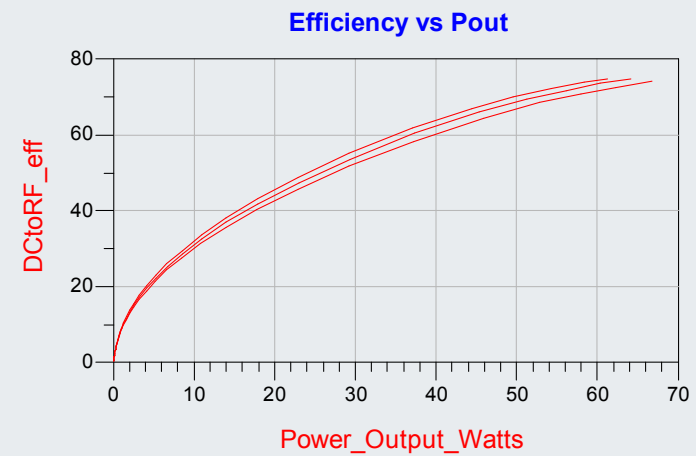
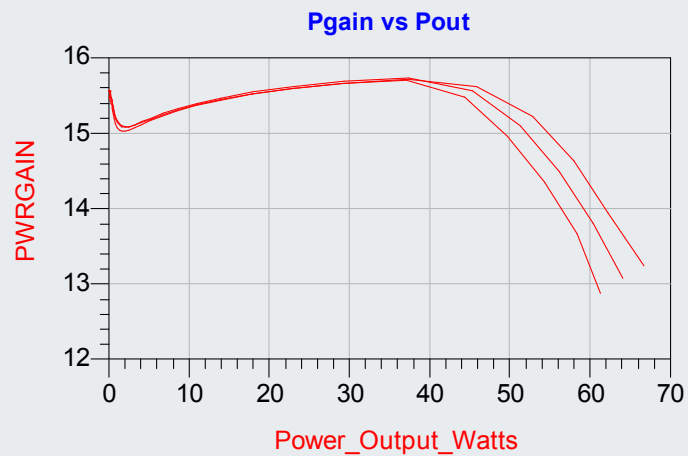
modeled 28 V 1500 mA

freq	S(1,1)	S(2,1)	S(1,2)	S(2,2)
50.00 MHz	0.862 / -164.432	30.035 / 90.917	0.012 / 2.412	0.705 / -160.939
100.0 MHz	0.884 / -171.857	14.885 / 81.345	0.012 / -5.636	0.711 / -167.620
150.0 MHz	0.889 / -174.322	9.704 / 74.334	0.012 / -11.064	0.728 / -169.032
200.0 MHz	0.877 / -175.638	7.060 / 68.211	0.011 / -15.511	0.745 / -169.442
250.0 MHz	0.895 / -176.575	5.444 / 62.674	0.010 / -19.239	0.765 / -169.696
300.0 MHz	0.894 / -177.381	4.353 / 57.631	0.010 / -22.293	0.786 / -170.027
350.0 MHz	0.902 / -178.149	3.568 / 53.037	0.009 / -24.659	0.806 / -170.487
400.0 MHz	0.910 / -178.914	2.979 / 48.895	0.008 / -26.296	0.825 / -171.065
450.0 MHz	0.917 / -179.696	2.525 / 45.049	0.007 / -27.139	0.842 / -171.736
500.0 MHz	0.904 / -179.532	2.166 / 41.584	0.006 / -27.089	0.857 / -172.470
550.0 MHz	0.929 / -178.744	1.877 / 38.427	0.006 / -25.999	0.870 / -173.244
600.0 MHz	0.935 / -177.991	1.642 / 35.543	0.005 / -23.663	0.882 / -174.039
650.0 MHz	0.939 / -177.156	1.448 / 32.903	0.004 / -19.807	0.893 / -174.841
700.0 MHz	0.943 / -176.363	1.286 / 30.481	0.004 / -14.118	0.902 / -175.642
750.0 MHz	0.947 / -175.571	1.149 / 28.251	0.004 / -8.346	0.910 / -176.436
800.0 MHz	0.950 / -174.782	1.033 / 26.192	0.003 / -3.446	0.917 / -177.218
850.0 MHz	0.953 / -173.986	0.934 / 24.265	0.003 / 14.565	0.923 / -177.987
900.0 MHz	0.955 / -173.214	0.849 / 22.515	0.003 / 25.864	0.929 / -178.741
950.0 MHz	0.958 / -172.434	0.775 / 20.865	0.003 / 36.018	0.934 / -179.481



PD57045SE

925 MHz – 960 MHz Large Signal RF



PD57045SE

925 MHz – 960 MHz Large Signal RF

