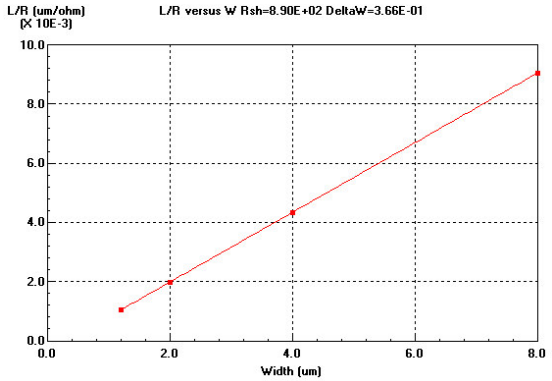
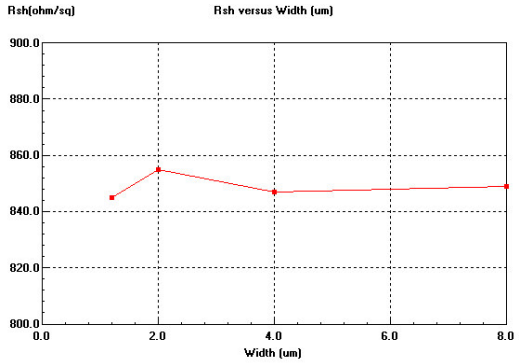
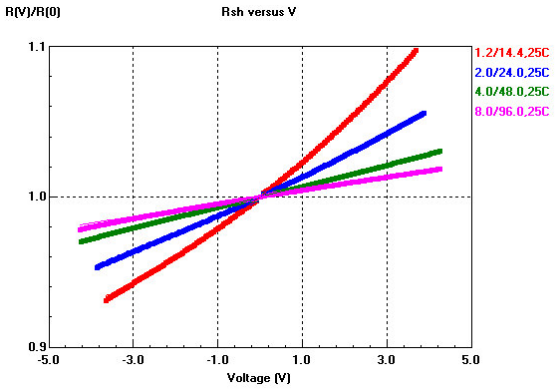


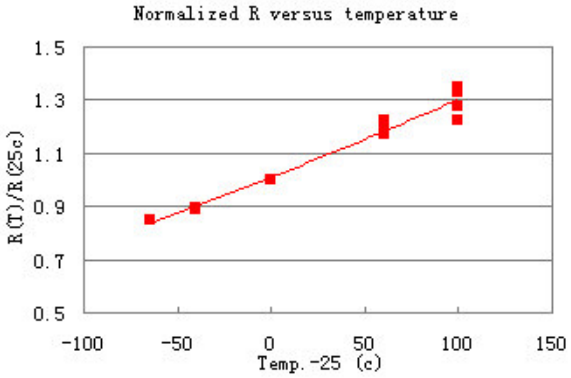
Fit.D1(a) Length/Resistance versus width for sheet resistance and delta width's extraction



Fit.D1(b) Extracted sheet resistance versus width for recommend width's selection

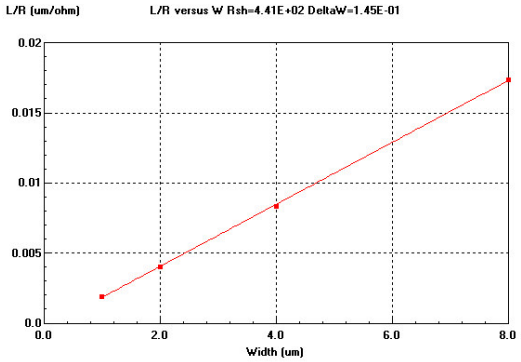


Fit.D1(c) Simulated(lines) and measured(symbols) resistance which normalized to Rsh(V=0) versus voltage.

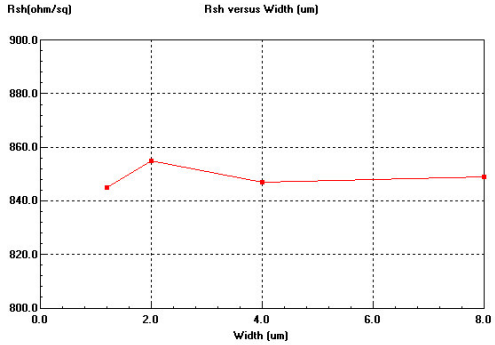


Fit.D1(d) Sheet resistance which normalized to Rsh(T=25C) for various widths.
(Tc1 = 2.73E-03, Tc2 = 1.65E-06)

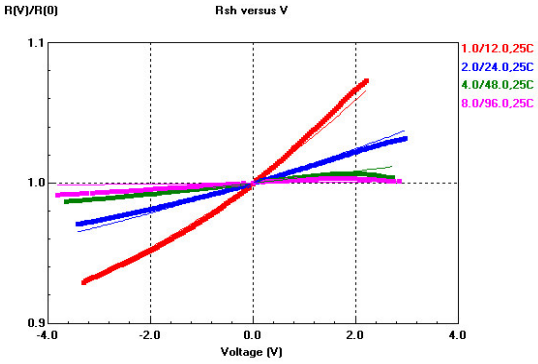
Fig.D1(a)(b)(c)(d) Fitting results of Nwell under STI resistance model



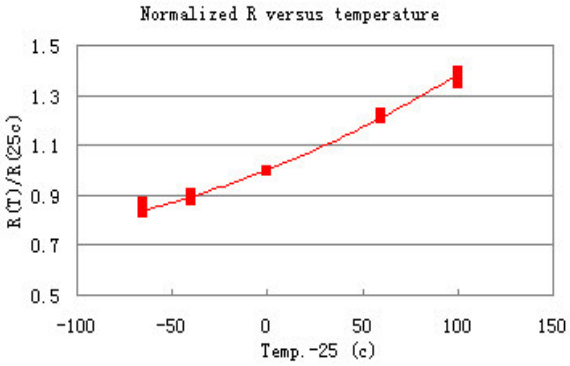
Fit.D2(a) Length/Resistance versus width for sheet resistance and delta width's extraction



Fit.D2(b) Extracted sheet resistance versus width for recommend width's selection

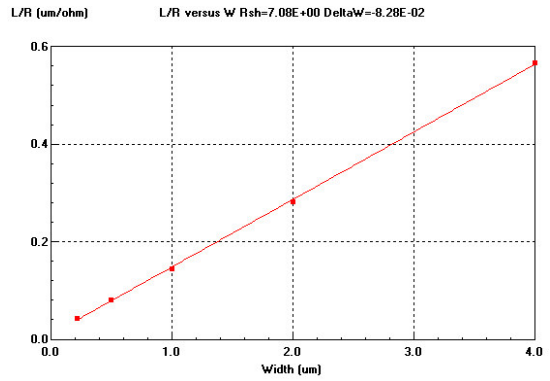


Fit.D2(c) Simulated(lines) and measured(symbols) resistance which normalized to Rsh(V=0) versus voltage.

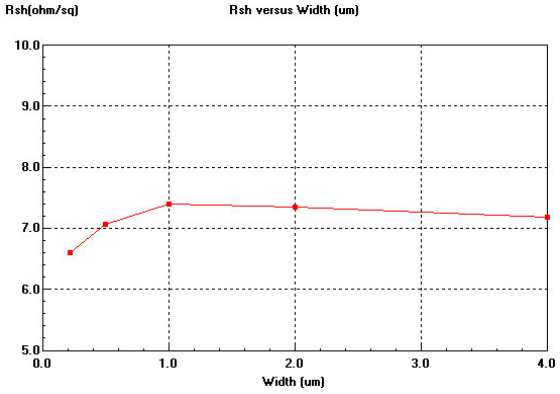


Fit.D2(d) Sheet resistance which normalized to Rsh(T=25C) for various widths.
(Tc1 = 3.02E-03, Tc2 = 8.06E-06)

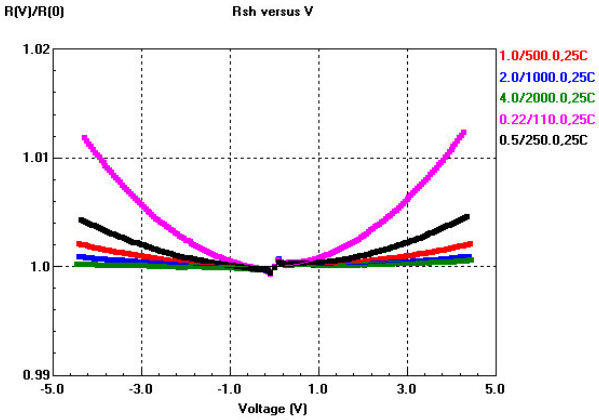
Fig.D2(a)(b)(c)(d) Fitting results of Nwell under AA resistance model



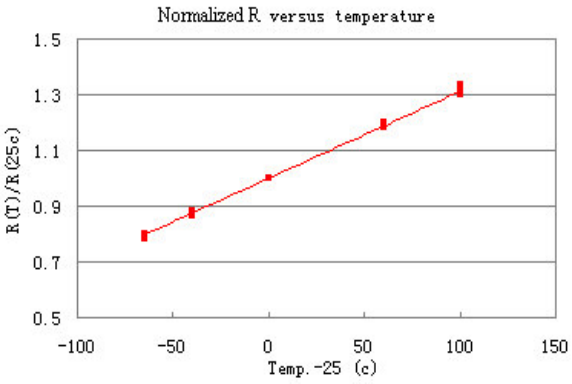
Fit.D3(a) Length/Resistance versus width for sheet resistance and delta width's extraction



Fit.D3(b) Extracted sheet resistance versus width for recommend width's selection

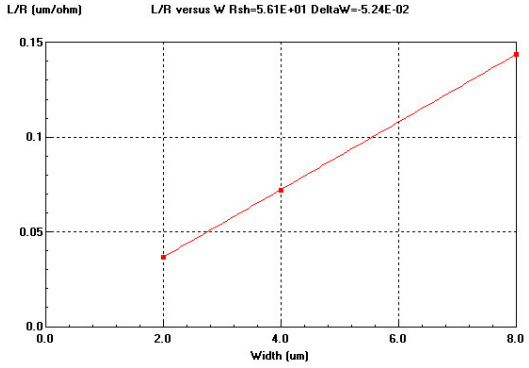


Fit.D3(c) Simulated(lines) and measured(symbols) resistance which normalized to Rsh(V=0) versus voltage.

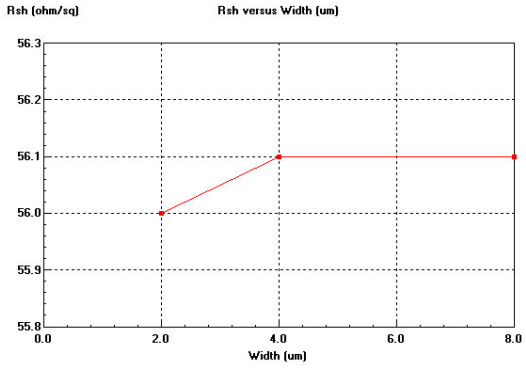


Fit.D3(d) Sheet resistance which normalized to Rsh(T=25C) for various widths.
(Tc1 = 3.12E-03, Tc2 = 3.022E-08)

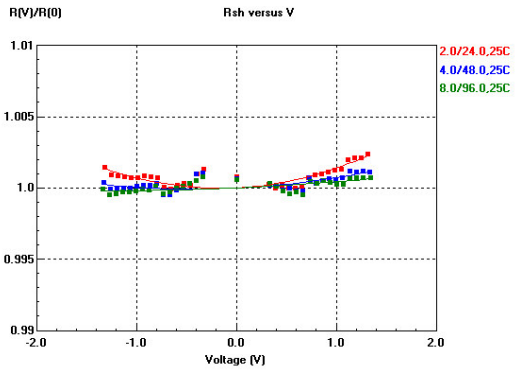
Fig.D3(a)(b)(c)(d) Fitting results of N+ Diffusion with silicide resistance model



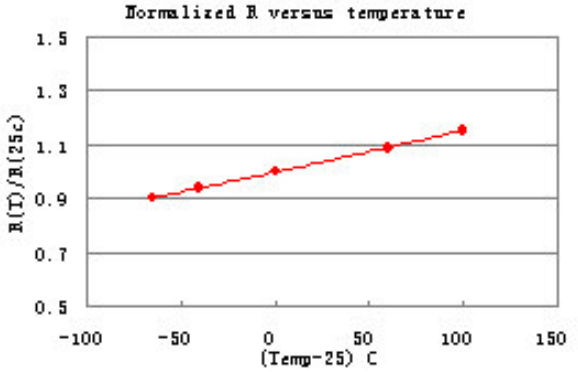
Fit.D4(a) Length/Resistance versus width for sheet resistance and delta width's extraction



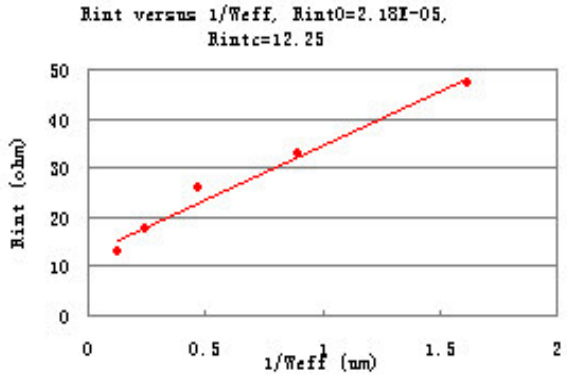
Fit.D4(b) Extracted sheet resistance versus width for recommend width's selection



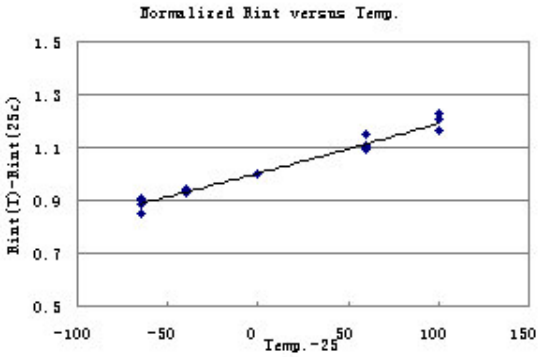
Fit.D4(c) Simulated(lines) and measured(symbols) resistance which normalized to Rsh(V=0) versus voltage.



Fit.D4(d) Sheet resistance which normalized to Rsh(T=25C) for various widths.
(Tc1 = 1.51E-03, Tc2 = 4.22E-07)

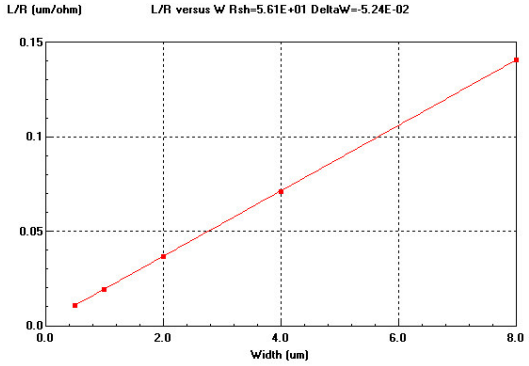


Fit.D4(e) Interface resistance versus 1/Weff for the parameter of Rint0 and Rintc's extraction.

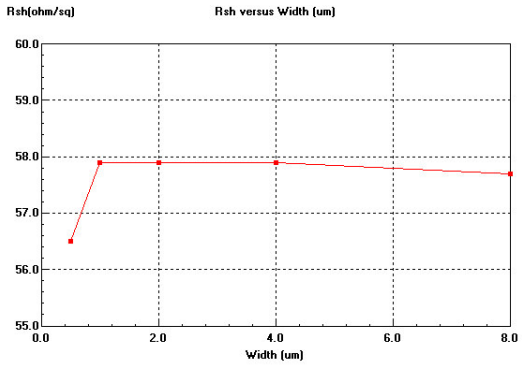


Fit.D4(f) Interface resistance which normalized to Rint(T=25C) for various widths.
(Rinttc1= 1.81E-03, Rinttc2 = 7.75E-07)

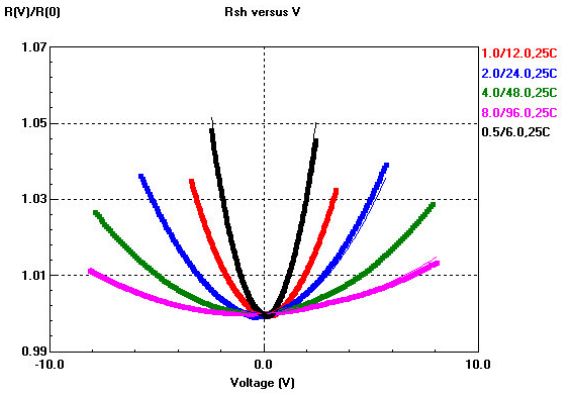
Fig.D4(a)(b)(c)(d)(e)(f) Fitting results of N+ Diffusion without silicide resistance model



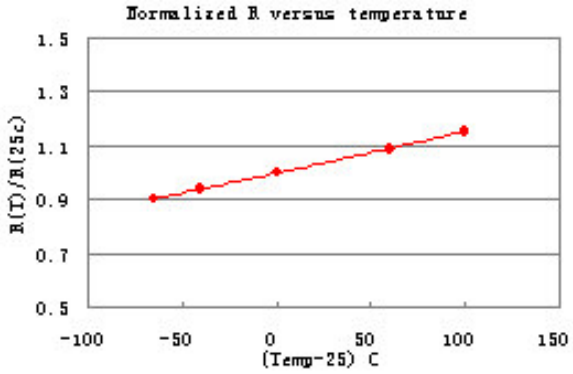
Fit.D5(a) Length/Resistance versus width for sheet resistance and delta width's extraction



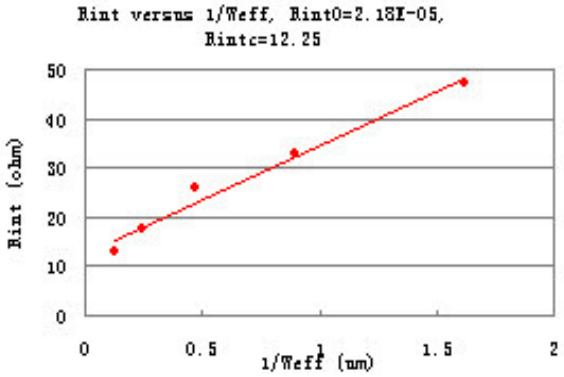
Fit.D5(b) Extracted sheet resistance versus width for recommend width's selection



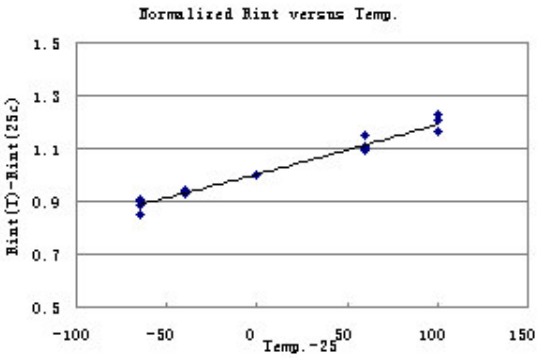
Fit.D5(c) Simulated(lines) and measured(symbols) resistance which normalized to Rsh(V=0) versus voltage.



Fit.D5(d) Sheet resistance which normalized to Rsh(T=25C) for various widths.
(Tc1 = 1.51E-03, Tc2 = 4.22E-07)

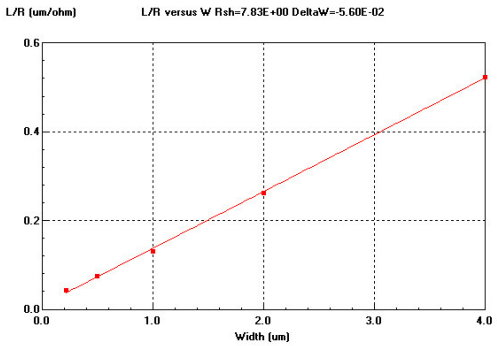


Fit.D5(e) Interface resistance versus 1/Weff for the parameter of Rint0 and Rintc's extraction.

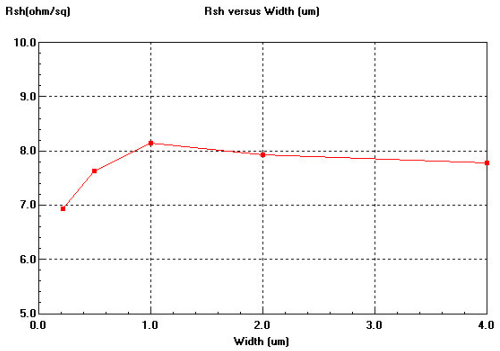


Fit.D5(f) Interface resistance which normalized to Rint(T=25C) for various widths.
(Rinttc1= 1.81E-03, Rinttc2 = 7.75E-07)

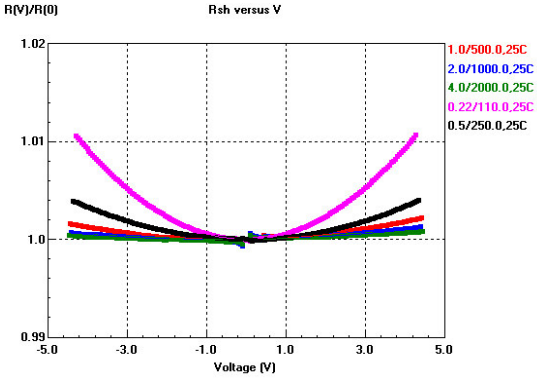
Fig.D5(a)(b)(c)(d)(e)(f) Fitting results of N+ Diffusion without silicide (non-standard) resistance model



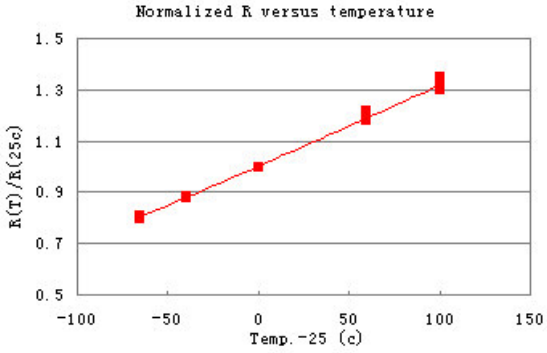
Fit.D6(a) Length/Resistance versus width for sheet resistance and delta width's extraction



Fit.D6(b) Extracted sheet resistance versus width for recommend width's selection

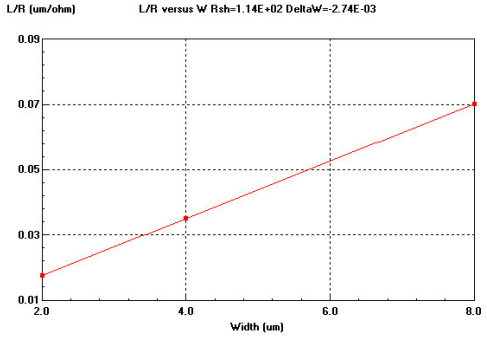


Fit.D6(c) Simulated(lines) and measured(symbols) resistance which normalized to Rsh(V=0) versus voltage.

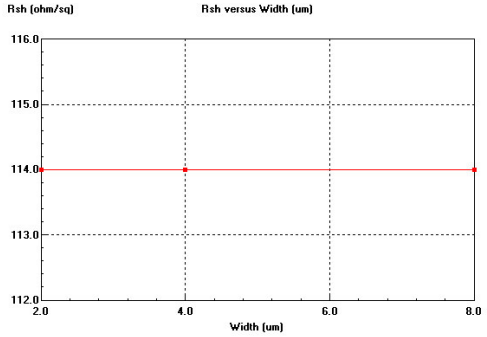


Fit.D6(d) Sheet resistance which normalized to Rsh(T=25C) for various widths.
(Tc1 = 3.08E-03, Tc2 = 7.034E-07)

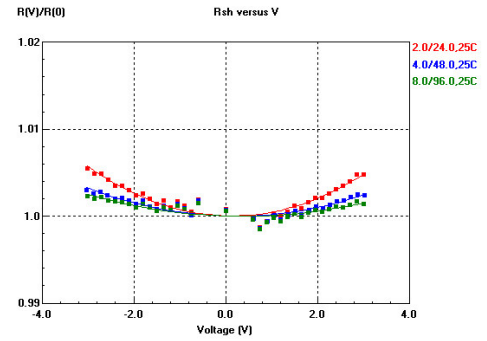
Fig.D6(a)(b)(c)(d) Fitting results of P+ Diffusion with silicide resistance model



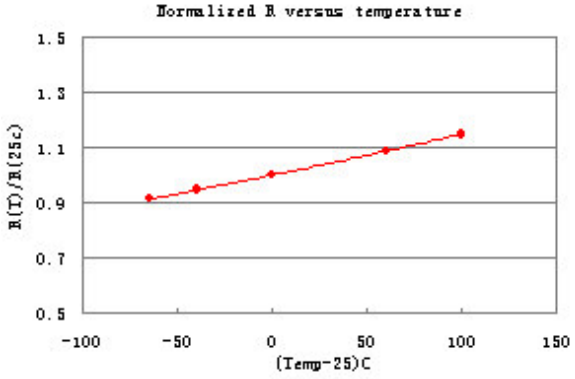
Fit.D7(a) Length/Resistance versus width for sheet resistance and delta width's extraction



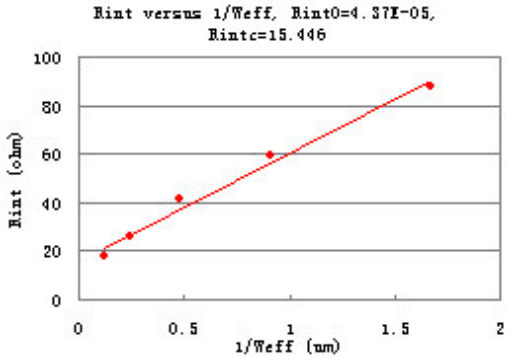
Fit.D7(b) Extracted sheet resistance versus width for recommend width's selection



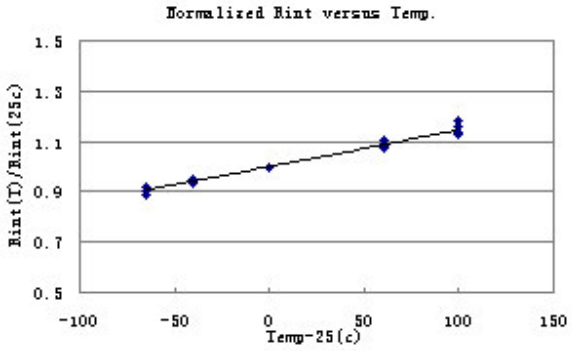
Fit.D7(c) Simulated(lines) and measured(symbols) resistance which normalized to Rsh(V=0) versus voltage.



Fit.D7(d) Sheet resistance which normalized to Rsh(T=25C) for various widths.
(Tc1 = 1.41E-03, Tc2 = 6.87E-07)

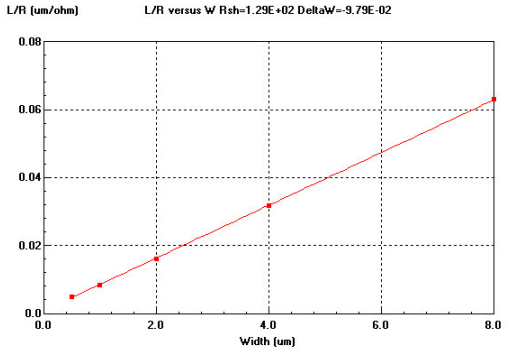


Fit.D7(e) Interface resistance versus 1/Weff for the parameter of Rint0 and Rintc's extraction

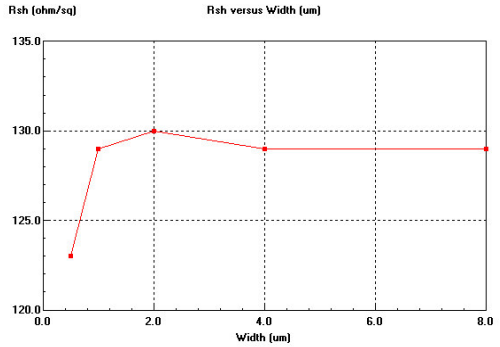


Fit.D7(f) Interface resistance which normalized to Rint(T=25C) for various widths.
(Rinttc1= 1.38E-03, Rinttc2 = 6.47E-07)

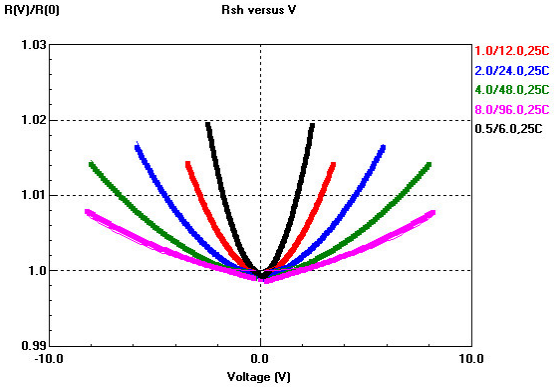
Fig.D7(a)(b)(c)(d)(e)(f) Fitting results of P+ Diffusion without silicide resistance model



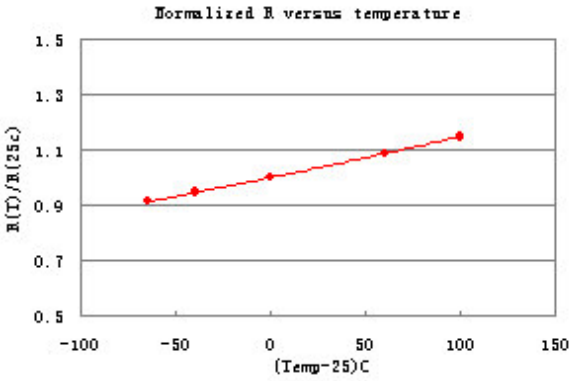
Fit.D8(a) Length/Resistance versus width for sheet resistance and delta width's extraction



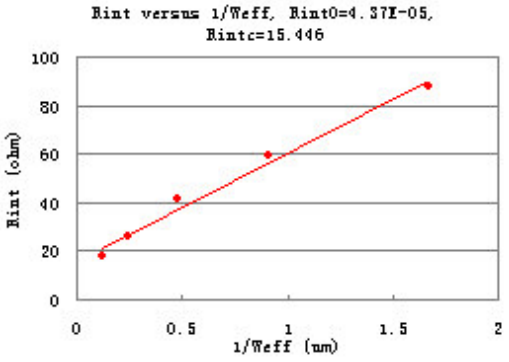
Fit.D8(b) Extracted sheet resistance versus width for recommend width's selection



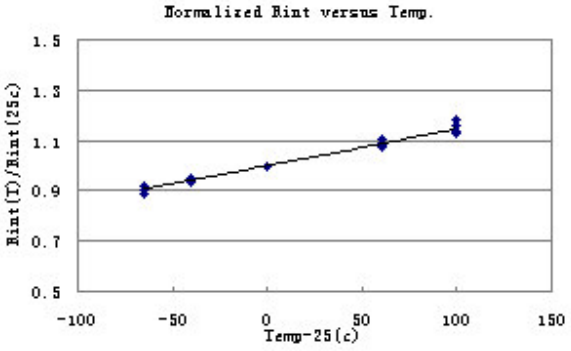
Fit.D8(c) Simulated(lines) and measured(symbols) resistance which normalized to Rsh(V=0) versus voltage.



Fit.D8(d) Sheet resistance which normalized to Rsh(T=25C) for various widths.
(Tc1 = 1.41E-03, Tc2 = 6.87E-07)

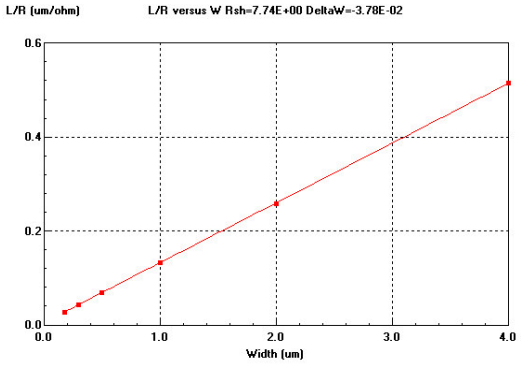


Fit.D8(e) Interface resistance versus 1/Weff for the parameter of Rint0 and Rintc's extraction

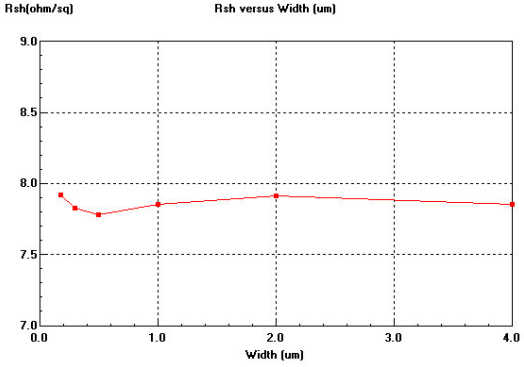


Fit.D8(f) Interface resistance which normalized to Rint(T=25C) for various widths.
(Rinttc1= 1.38E-03, Rinttc2 = 6.47E-07)

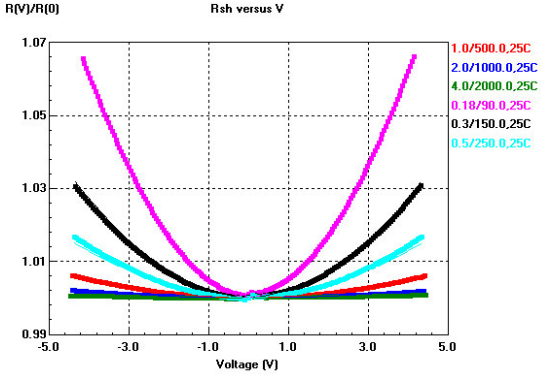
Fig.D8(a)(b)(c)(d)(e)(f) Fitting results of P+ Diffusion without silicide (non-standard) resistance model



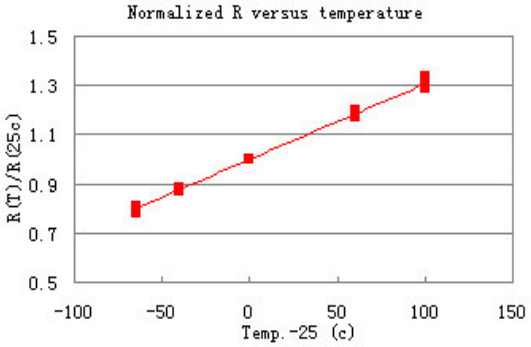
Fit.D9(a) Length/Resistance versus width for sheet resistance and delta width's extraction



Fit.D9(b) Extracted sheet resistance versus width for recommend width's selection

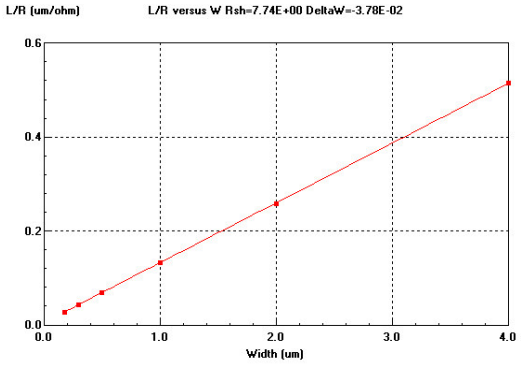


Fit.D9(c) Simulated(lines) and measured(symbols) resistance which normalized to Rsh(V=0) versus voltage.

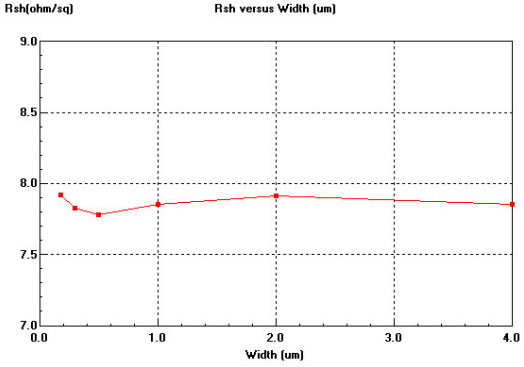


Fit.D9(d) Sheet resistance which normalized to Rsh(T=25C) for various widths.
(Tc1 = 3.07E-03, Tc2 = -5.36E-08)

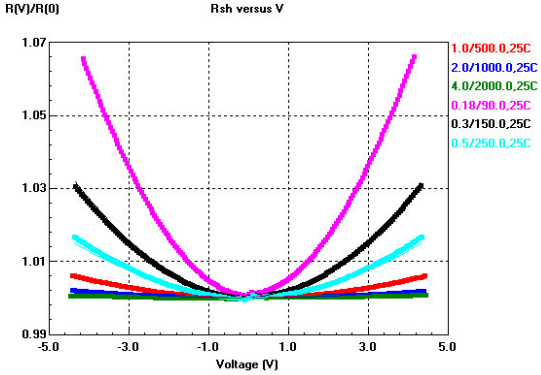
Fig.D9(a)(b)(c)(d) Fitting results of N+ Poly with silicide resistance model



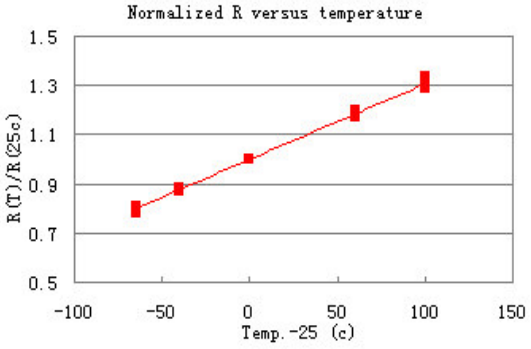
Fit.D10(a) Length/Resistance versus width for sheet resistance and delta width's extraction



Fit.D10(b) Extracted sheet resistance versus width for recommend width's selection

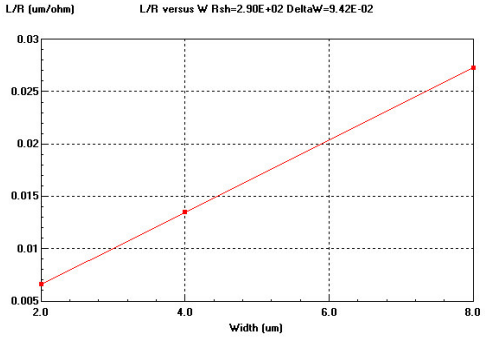


Fit.D10(c) Simulated(lines) and measured(symbols) resistance which normalized to Rsh(V=0) versus voltage.

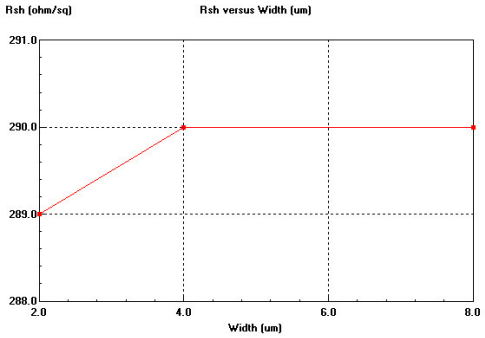


Fit.D10(d) Sheet resistance which normalized to Rsh(T=25C) for various widths.
(Tc1 = 3.07E-03, Tc2 = -5.36E-08)

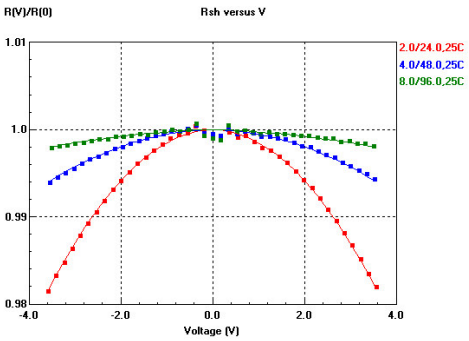
Fig.D10(a)(b)(c)(d) Fitting results of N+ Poly_3T with silicide resistance model



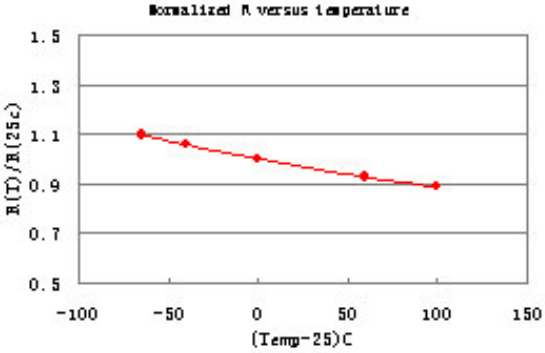
Fit.D11(a) Length/Resistance versus width for sheet resistance and delta width's extraction



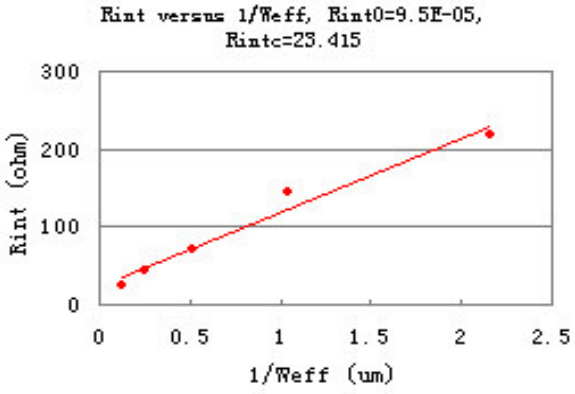
Fit.D11(b) Extracted sheet resistance versus width for recommend width's selection



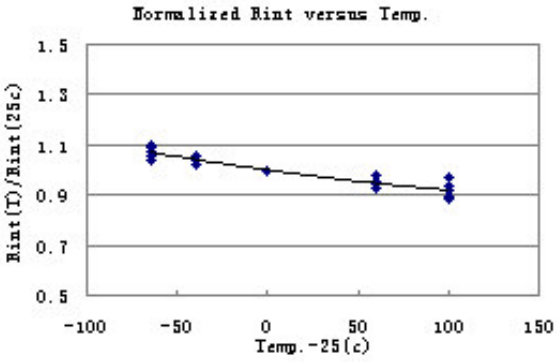
Fit.D11(c) Simulated(lines) and measured(symbols) resistance which normalized to Rsh(V=0) versus voltage.



Fit.D11(d) Sheet resistance which normalized to Rsh(T=25C) for various widths.
(Tc1 = -1.35E-03, Tc2 = 2.29E-06)

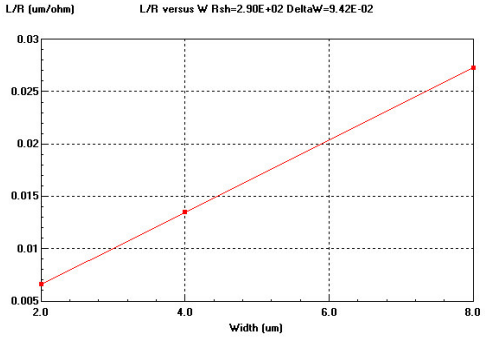


Fit.D11(e) Interface resistance versus 1/Weff for the parameter of Rint0 and Rintc's extraction

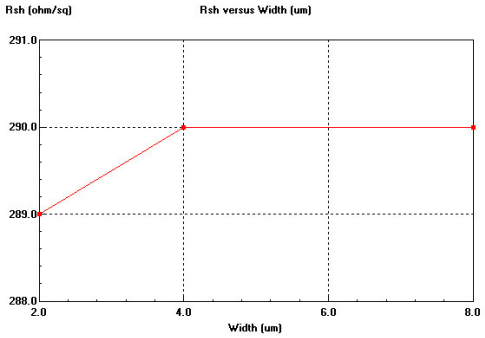


Fit.D11(f) Interface resistance which normalized to Rint(T=25C) for various widths.
(Rinttc1 = -9.76E-04, Rinttc2 = 1.70E-06)

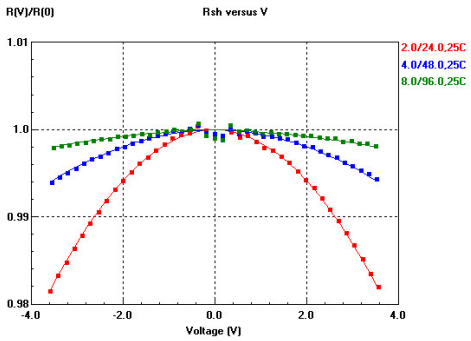
Fig.D11(a)(b)(c)(d)(e)(f) Fitting results of N+ Poly without silicide resistance model



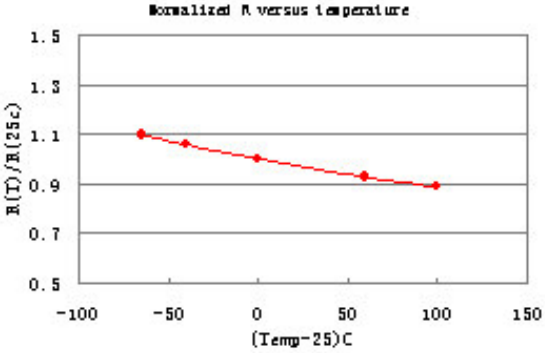
Fit.D12(a) Length/Resistance versus width for sheet resistance and delta width's extraction



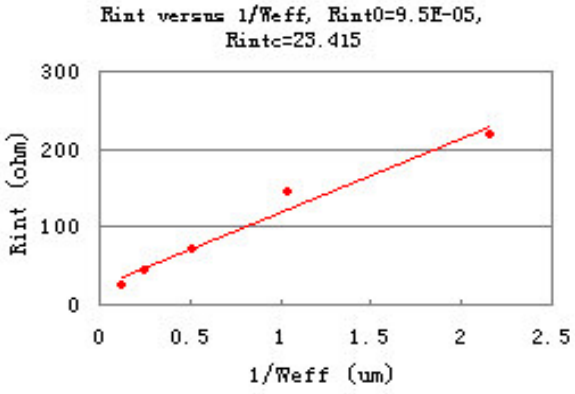
Fit.D12(b) Extracted sheet resistance versus width for recommend width's selection



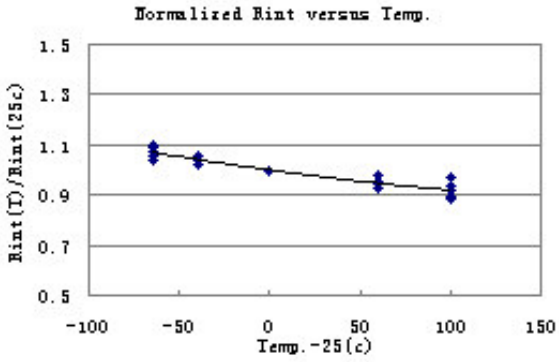
Fit.D12(c) Simulated(lines) and measured(symbols) resistance which normalized to Rsh(V=0) versus voltage.



Fit.D12(d) Sheet resistance which normalized to Rsh(T=25C) for various widths.
(Tc1 = -1.35E-03, Tc2 = 2.29E-06)

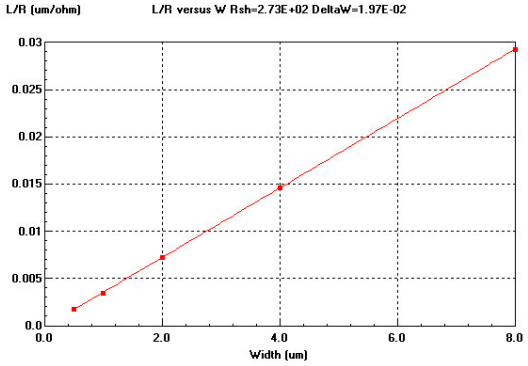


Fit.D12(e) Interface resistance versus 1/Weff for the parameter of Rint0 and Rintc's extraction

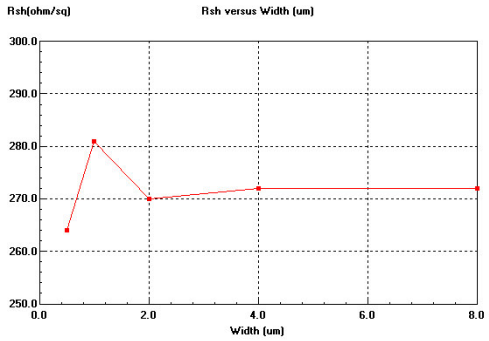


Fit.D12(f) Interface resistance which normalized to Rint(T=25C) for various widths.
(Rinttc1 = -9.76E-04, Rinttc2 = 1.70E-06)

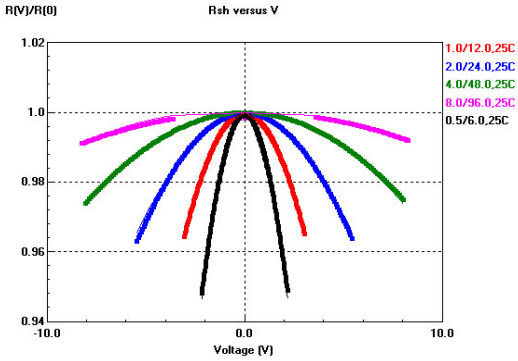
Fig.D12(a)(b)(c)(d)(e)(f) Fitting results of N+ Poly_3T without silicide resistance model



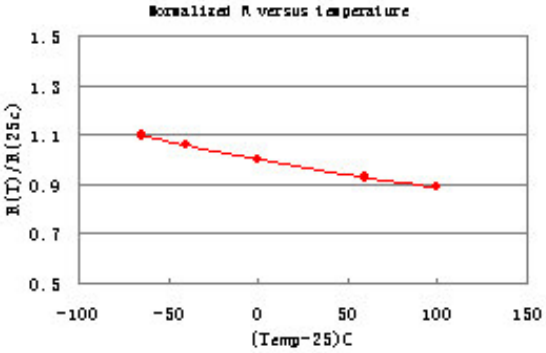
Fit.D13(a) Length/Resistance versus width for sheet resistance and delta width's extraction



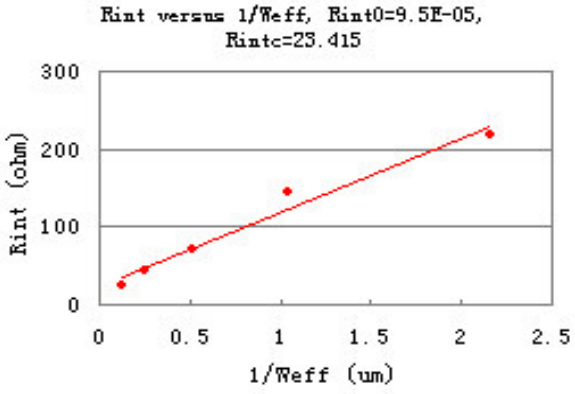
Fit.D13(b) Extracted sheet resistance versus width for recommend width's selection



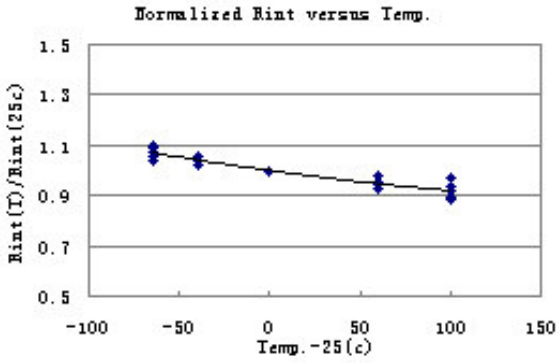
Fit.D13(c) Simulated(lines) and measured(symbols) resistance which normalized to Rsh(V=0) versus voltage.



Fit.D13(d) Sheet resistance which normalized to Rsh(T=25C) for various widths.
(Tc1 = -1.35E-03, Tc2 = 2.29E-06)

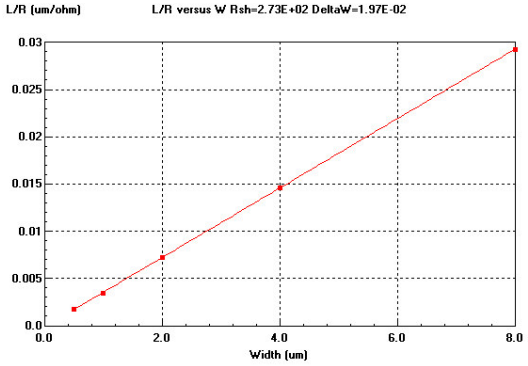


Fit.D13(e) Interface resistance versus 1/Weff for the parameter of Rint0 and Rintc's extraction

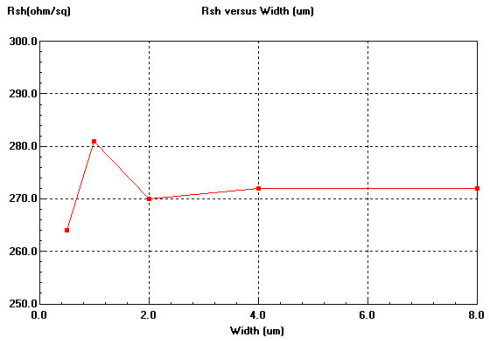


Fit.D13(f) Interface resistance which normalized to Rint(T=25C) for various widths.
(Rinttc1 = -9.76E-04, Rinttc2 = 1.70E-06)

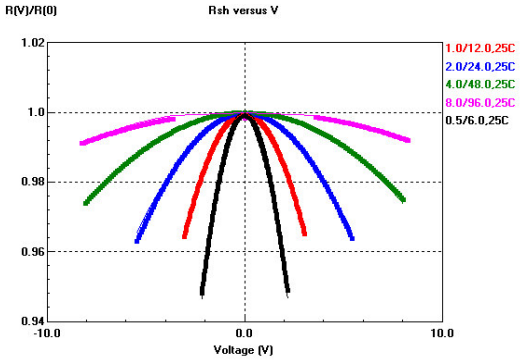
Fig.D13(a)(b)(c)(d)(e)(f) Fitting results of N+ Poly without silicide (non-standard) resistance model



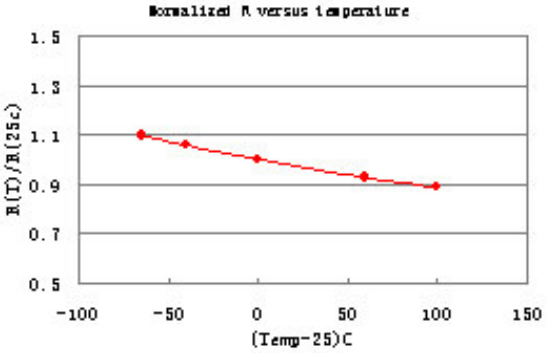
Fit.D14(a) Length/Resistance versus width for sheet resistance and delta width's extraction



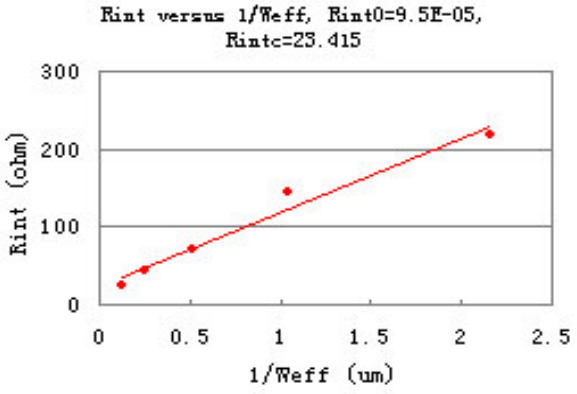
Fit.D14(b) Extracted sheet resistance versus width for recommend width's selection



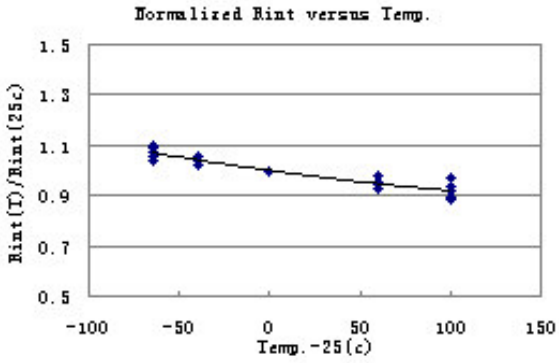
Fit.D14(c) Simulated(lines) and measured(symbols) resistance which normalized to Rsh(V=0) versus voltage.



Fit.D14(d) Sheet resistance which normalized to Rsh(T=25C) for various widths.
(Tc1 = -1.35E-03, Tc2 = 2.29E-06)

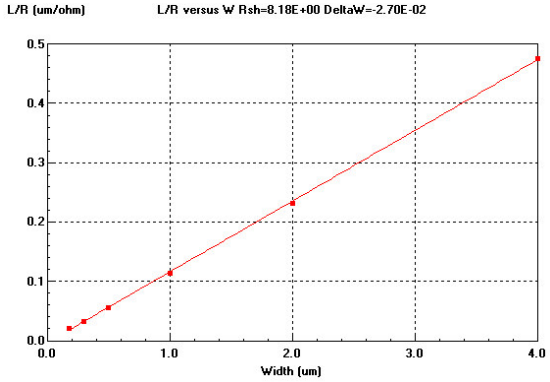


Fit.D14(e) Interface resistance versus 1/Weff for the parameter of Rint0 and Rintc's extraction

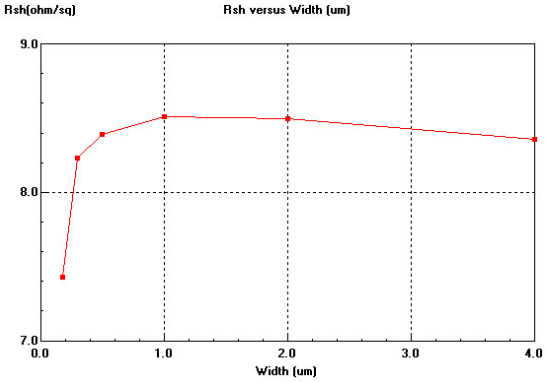


Fit.D14(f) Interface resistance which normalized to Rint(T=25C) for various widths.
(Rinttc1 = -9.76E-04, Rinttc2 = 1.70E-06)

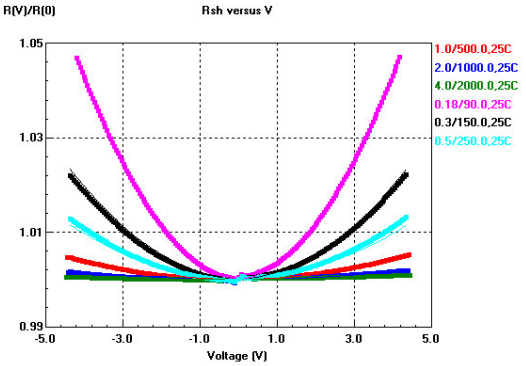
Fig.D14(a)(b)(c)(d)(e)(f) Fitting results of N+ Poly_3T without silicide (non-standard) resistance model



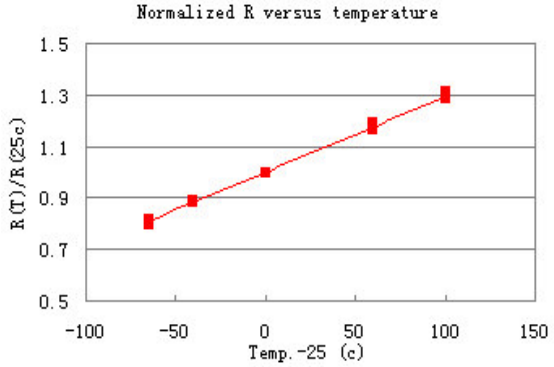
Fit.D15(a) Length/Resistance versus width for sheet resistance and delta width's extraction



Fit.D15(b) Extracted sheet resistance versus width for recommend width's selection

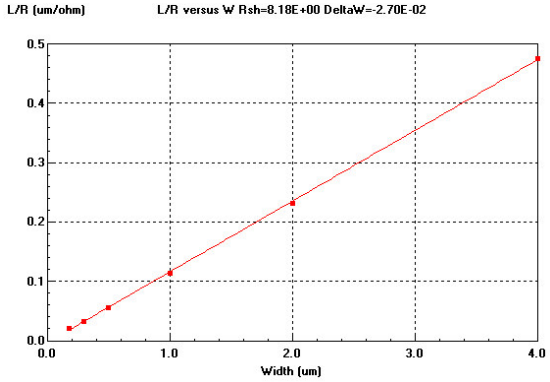


Fit.D15(c) Simulated(lines) and measured(symbols) resistance which normalized to Rsh(V=0) versus voltage.

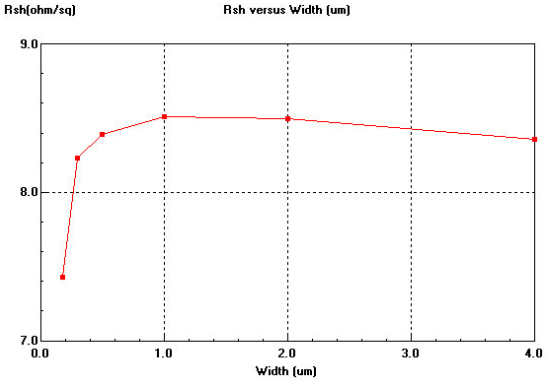


Fit.D15(d) Sheet resistance which normalized to Rsh(T=25C) for various widths.
(Tc1 = 2.92E-03, Tc2 = -2.30E-08)

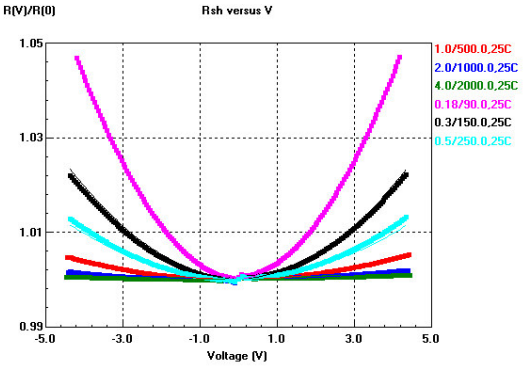
Fig.D15(a)(b)(c)(d) Fitting results of P+ Poly with silicide resistance model



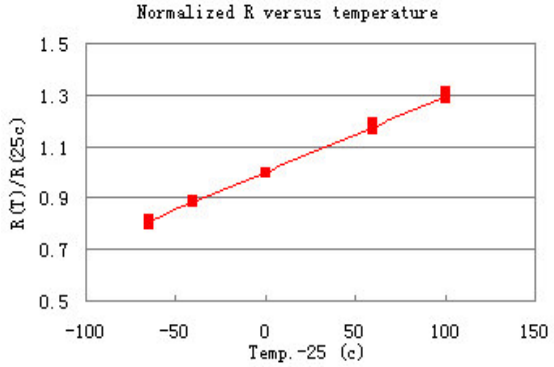
Fit.D16(a) Length/Resistance versus width for sheet resistance and delta width's extraction



Fit.D16(b) Extracted sheet resistance versus width for recommend width's selection

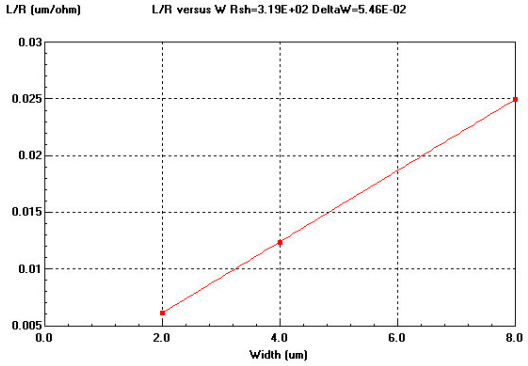


Fit.D16(c) Simulated(lines) and measured(symbols) resistance which normalized to Rsh(V=0) versus voltage.

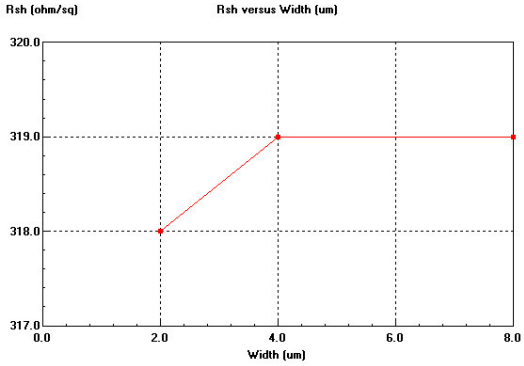


Fit.D16(d) Sheet resistance which normalized to Rsh(T=25C) for various widths.
(Tc1 = 2.92E-03, Tc2 = -2.30E-08)

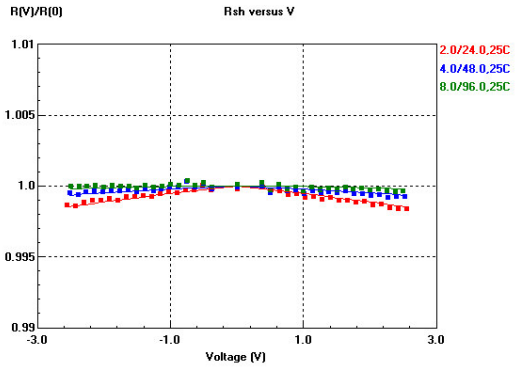
Fig.D16(a)(b)(c)(d) Fitting results of P+ Poly_3T with silicide resistance model



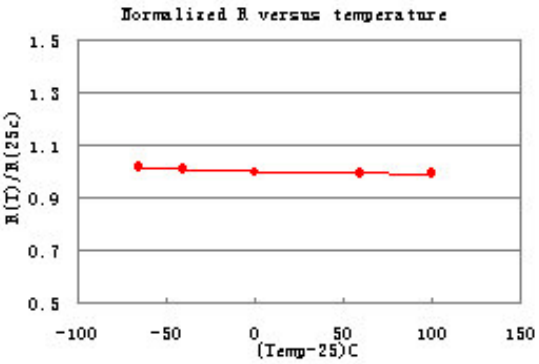
Fit.D17(a) Length/Resistance versus width for sheet resistance and delta width's extraction



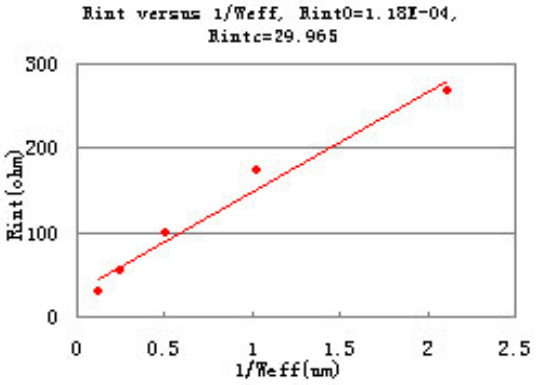
Fit.D17(b) Extracted sheet resistance versus width for recommend width's selection



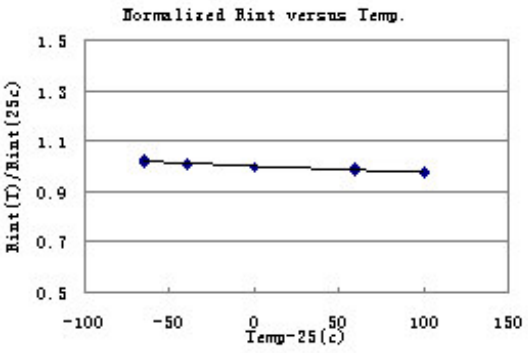
Fit.D17(c) Simulated(lines) and measured(symbols) resistance which normalized to Rsh(V=0) versus voltage.



Fit.D17(d) Sheet resistance which normalized to Rsh(T=25C) for various widths.
(Tc1 = -1.63E-04, Tc2 = 7.46E-07)

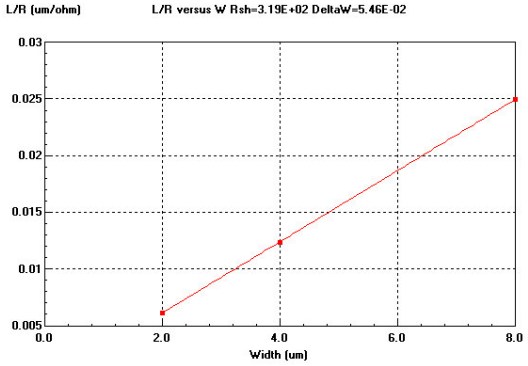


Fit.D17(e) Interface resistance versus 1/Weff for the parameter of Rint0 and Rintc's extraction

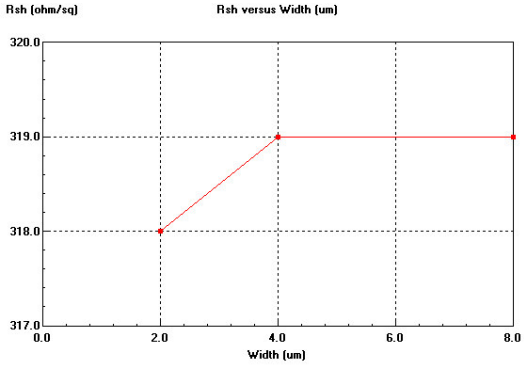


Fit.D17(f) Interface resistance which normalized to Rint(T=25C) for various widths.
(Rinttc1 = -2.76E-04, Rinttc2 = 3.25E-07)

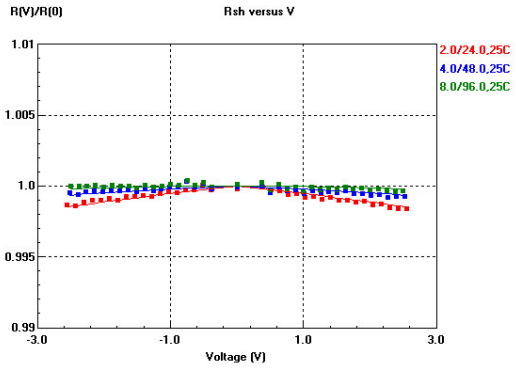
Fig.D17(a)(b)(c)(d)(e)(f) Fitting results of P+ Poly without silicide resistance model



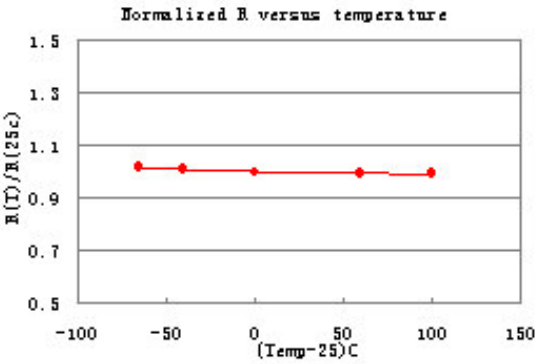
Fit.D18(a) Length/Resistance versus width for sheet resistance and delta width's extraction



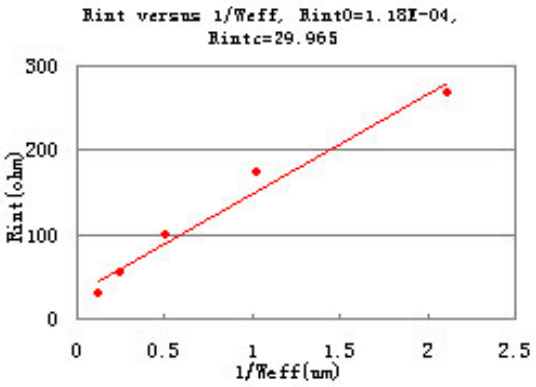
Fit.D18(b) Extracted sheet resistance versus width for recommend width's selection



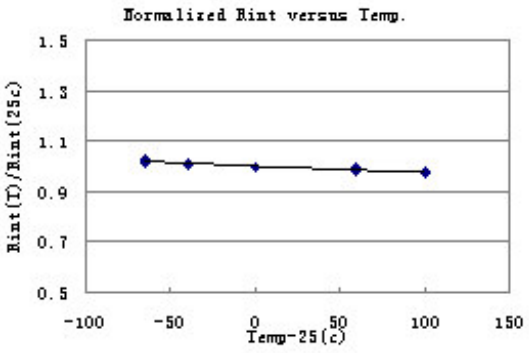
Fit.D18(c) Simulated(lines) and measured(symbols) resistance which normalized to Rsh(V=0) versus voltage.



Fit.D18(d) Sheet resistance which normalized to Rsh(T=25C) for various widths.
(Tc1 = -1.63E-04, Tc2 = 7.46E-07)

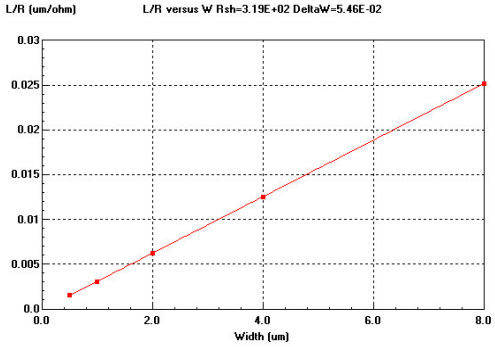


Fit.D18(e) Interface resistance versus 1/Weff for the parameter of Rint0 and Rintc's extraction

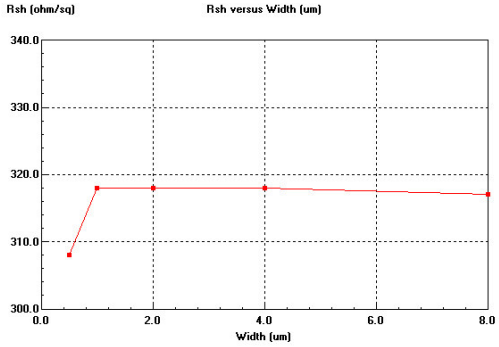


Fit.D18(f) Interface resistance which normalized to Rint(T=25C) for various widths.
(Rinttc1 = -2.76E-04, Rinttc2 = 3.25E-07)

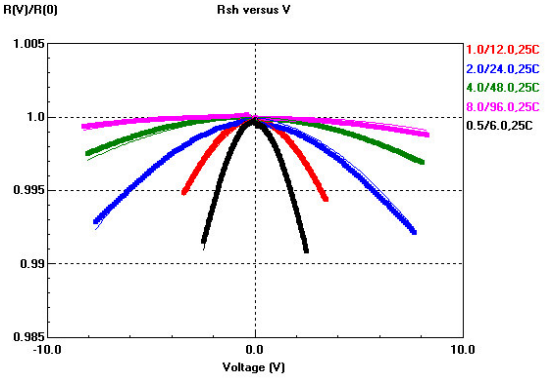
Fig.D18(a)(b)(c)(d)(e)(f) Fitting results of P+ Poly_3T without silicide resistance model



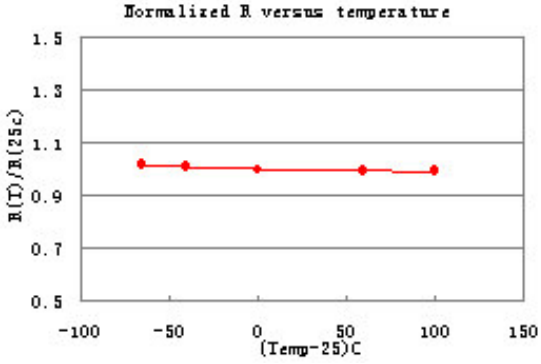
Fit.D19(a) Length/Resistance versus width for sheet resistance and delta width's extraction



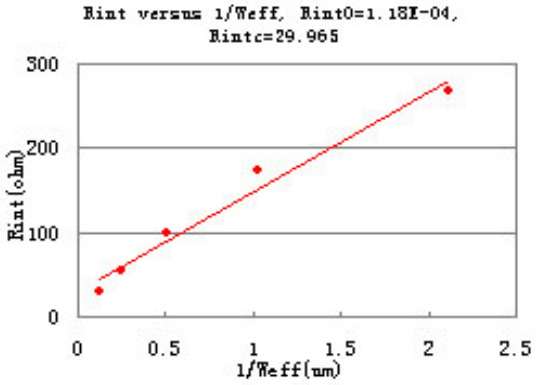
Fit.D19(b) Extracted sheet resistance versus width for recommend width's selection



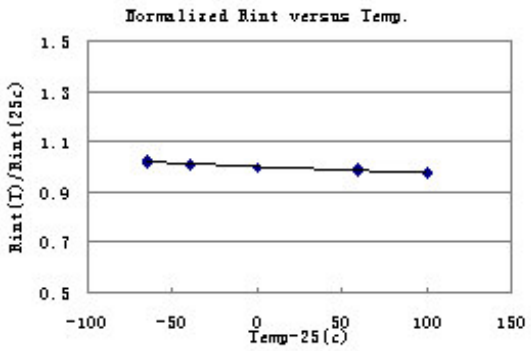
Fit.D19(c) Simulated(lines) and measured(symbols) resistance which normalized to Rsh(V=0) versus voltage.



Fit.D19(d) Sheet resistance which normalized to Rsh(T=25C) for various widths.
(Tc1 = -1.63E-04, Tc2 = 7.46E-07)

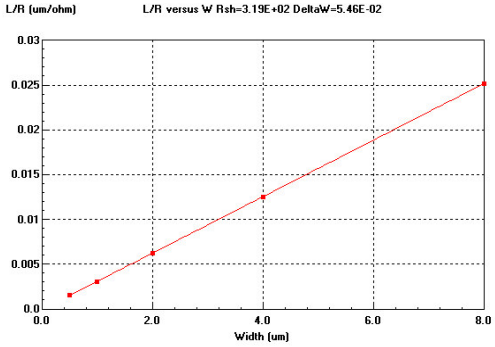


Fit.D19(e) Interface resistance versus 1/Weff for the parameter of Rint0 and Rintc's extraction

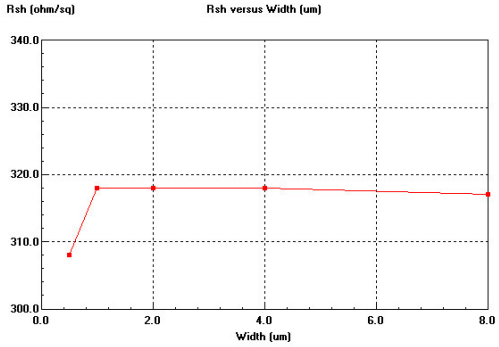


Fit.D19(f) Interface resistance which normalized to Rint(T=25C) for various widths.
(Rinttc1 = -2.76E-04, Rinttc2 = 3.25E-07)

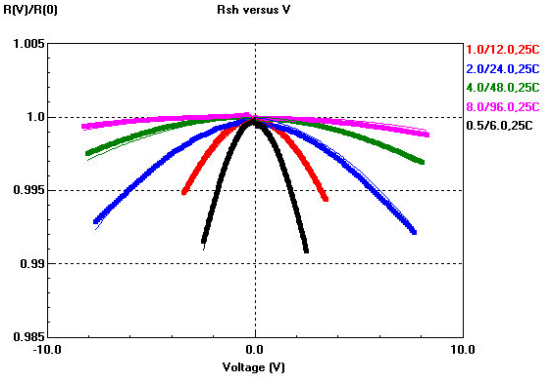
Fig.D19(a)(b)(c)(d)(e)(f) Fitting results of P+ Poly without silicide (non-standard) resistance model



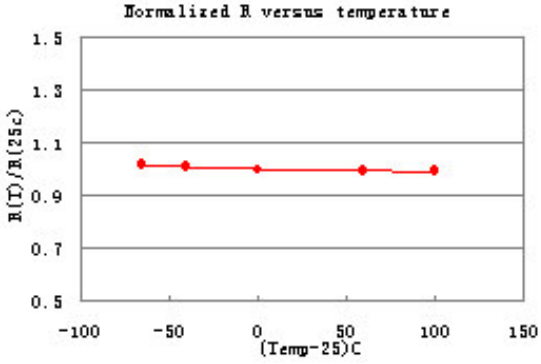
Fit.D20(a) Length/Resistance versus width for sheet resistance and delta width's extraction



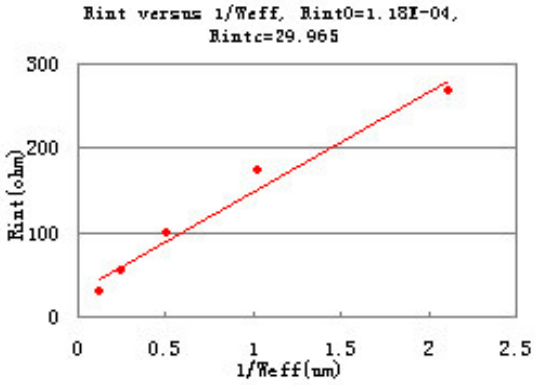
Fit.D20(b) Extracted sheet resistance versus width for recommend width's selection



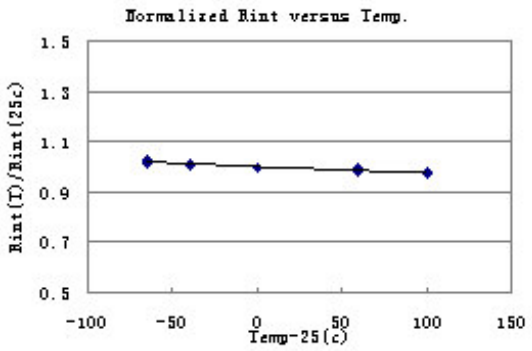
Fit.D20(c) Simulated(lines) and measured(symbols) resistance which normalized to Rsh(V=0) versus voltage.



Fit.D20(d) Sheet resistance which normalized to Rsh(T=25C) for various widths.
(Tc1 = -1.63E-04, Tc2 = 7.46E-07)

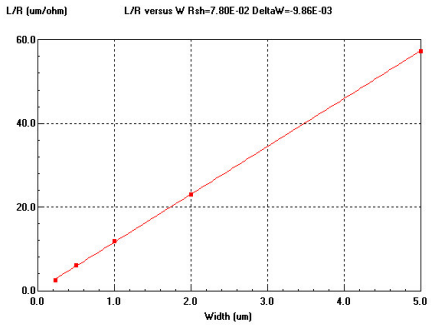


Fit.D20(e) Interface resistance versus 1/Weff for the parameter of Rint0 and Rintc's extraction

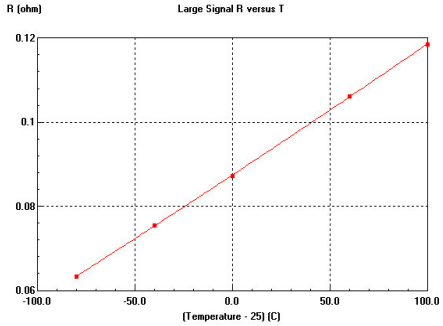


Fit.D20(f) Interface resistance which normalized to Rint(T=25C) for various widths.
(Rinttc1 = -2.76E-04, Rinttc2 = 3.25E-07)

Fig.D20(a)(b)(c)(d)(e)(f) Fitting results of P+ Poly_3T without silicide (non-standard) resistance model

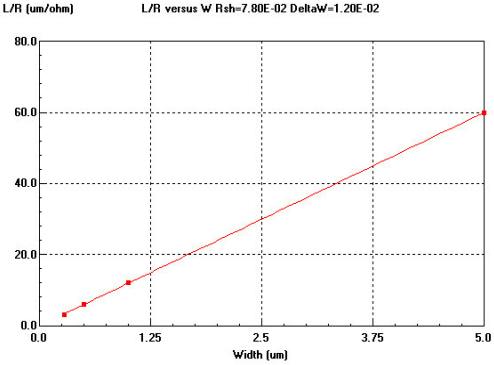


Fit.D21(a) Length/Resistance versus width for sheet resistance and delta width's extraction

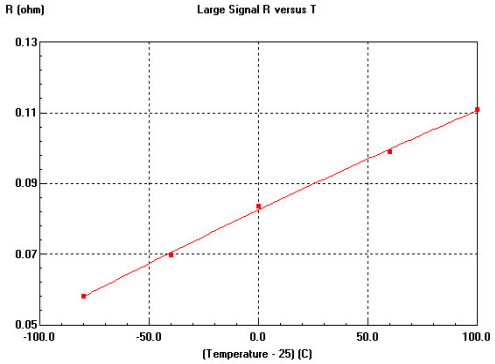


Fit.D21(b) Sheet resistance which normalized to Rsh(T=25C) for various widths (Tc1 = 3.49E-03, Tc2 = 6.93E-07)

Fig.D21(a)(b) Fitting results of Metal1 resistance model

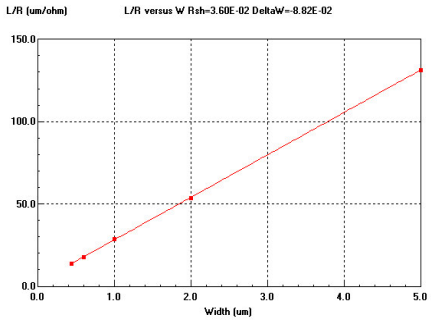


Fit.D22(a) Length/Resistance versus width for sheet resistance and delta width's extraction

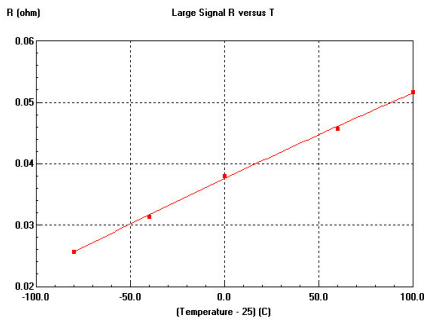


Fit.D22(b) Sheet resistance which normalized to Rsh(T=25C) for various widths (Tc1 = 3.60E-03, Tc2 = 7.60E-07)

Fig.D22(a)(b) Fitting results of Metal2, Metal3, Metal4 and Metal5 resistance model



Fit.D23(a) Length/Resistance versus width for sheet resistance and delta width's extraction



Fit.D23(b) Sheet resistance which normalized to Rsh(T=25C) for various widths (Tc1 = 3.89E-03, Tc2 = 1.01E-06)

Fig.D23(a)(b) Fitting results of Metal6 resistance model