## Impedanz-/Phasenverlauf

Membran:  $t_{Si} = 20 \mu m$ ,  $t_{ZnO} = 5 \mu m$ 

Abm.: 9,2 x 9,2 mm<sup>2</sup>

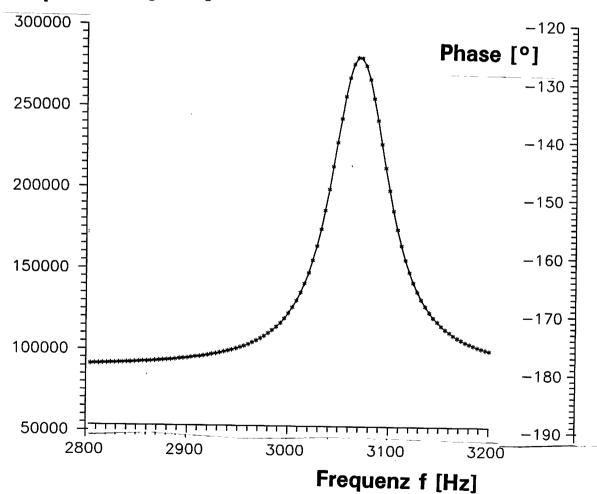
U = 1 V, Q = 100

FE-Modell 1:  $f_s \approx 3036 \text{ Hz}$ ,  $Z(f_s) = 109 \text{ kOhm}$ 

 $f_p \approx 3104 \text{ Hz}, \quad Z(f_p) = 282 \text{ kOhm}$ 

 $\Rightarrow$  k<sub>eff</sub> = 0,21  $A_m = 11 \mu m$ 

## Impedanz Z [Ohm]



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