

# Abstracts

## Resistivity of Thin Metal Films (Short Papers)

---

*H.K. Chaurasia and WA.G. Voss. "Resistivity of Thin Metal Films (Short Papers)." 1973 Transactions on Microwave Theory and Techniques 21.1 (Jan. 1973 [T-MTT]): 51-52.*

It is shown that the sheet resistance, and hence the resistivity, of very thin metal films ( $<100 \text{ \AA}$ ) can be determined conveniently and accurately by microwave measurements. Accuracy is limited by VSWR measurement, film-holder design, and short-circuit quality. DC and microwave resistivity measurements are given for gold films on cleaved mica.

 [Return to main document.](#)