

CONDUCTIVITY AND THE TEMPERATURE
COEFFICIENT OF RESISTANCE OF TWO-LAYER
POLYCRYSTALLINE FILMS

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S u m m a r y

Exact and asymptotic expressions for the specific conductivity and the temperature coefficient of resistance (TCR) of two-layer metal polycrystalline films have been derived. A verification of the relations for the TCR has been performed using experimental data for (Cr, Cu, Sc)- and (Ni, Co, Cr)-based two-layer films. The theoretical and experimental results for the TCR are qualitatively consistent.