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Authors:Katsounaros, A. (1); Mann, M. (2); Naftaly, M. (3); Rajab, K.Z. (1); Hao, Y. (1); Milne, W.I. (2)
Author affiliation:(1) Queen Mary University of London, School of Electronic Engineering and Computer Science, E1 4NS London, United Kingdom; (2) Electrical Engineering Division, Engineering Dept., Cambridge University, CB3 0FA Cambridge, United Kingdom; (3) National Physical Laboratory (NPL), Hampton Road, TW11 0LW Teddington, United Kingdom
Corresponding author:Katsounaros, A.(anestis.katsounaros@elec.qmul.ac.uk)
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Abstract:Terahertz time-domain spectroscopy measurements were made for vertically aligned multi-walled carbon nanotube (VACNT) films. We obtained the frequency dependent complex permittivity and conductivity (on the assumption that permeability u = 1) of several samples exhibiting Drude behaviour for lossy metals. The obtained material properties of VACNT films provide information for potential microwave and terahertz applications.
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