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标题: Characterization and Applications of Liquid Crystals in the THz Frequency Range

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摘要: The applications of liquid-crystal-based devices the sub-millimeter wave or THz (1 THz = 10(12) Hz) frequency range has blossomed recently. In this paper, we review the methodology for determination of the THz optical constants of nematic liquid crystals, using E7 as an example. To demonstrate potential applications, we report an electrically tuned THz Solc filter.

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