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摘要: Over the past decades, there have been significant advances in techniques to generate and detect terahertz (THZ) signals, but there have been comparatively few reports of structures that manipulate and control them. In this paper, based on the characteristic matrix method, hydrogenated amorphous silicon (a-Si[H]) and silicon oxide (SiO2) were chosen as coating materials, a nanostructure multiplayers as broadband antireflection coating used at terahertz frequencies region was designed. Which has a residual reflectivity of less than 0.07 and average reflectivity about 0.05 throughout the 50-140 cm-1 region?
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