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标题: Generation of THz frequency using PANDA ring resonator for THz imaging

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摘要: In this study, we have generated terahertz (THz) frequency by a novel design of microring resonators for medical applications. The dense wavelength-division multiplexing can be generated and obtained by using a Gaussian pulse propagating within a modified PANDA ring resonator and an add/drop filter system. Our results show that the THz frequency region can be obtained between 40-50 THz. This area of frequency provides a reliable frequency band for THz pulsed imaging.

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