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Fully reconfigurable terahertz devices enabled by T-shaped graphene two-parallel-sheet

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Highlights

- Tunable terahertz devices are achieved by a T-shaped graphene two-parallel-sheet.
- Electrical length and characteristic impedance of the THz waveguide can be tuned.
- Waveguide can be tuned by the bias voltage on the top and bottom graphene sheets.
- The simulation results verify the large tuning range and multifunction.

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