

Development of High-Efficiency Terahertz Module with Improved Yield

Major/Expertise

Electrical & Electronic Engineering



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Research Summary



1 Coherent terahertz transceiver
Low power consumption, high efficiency

2 Performance improvement using microactuator
Calibration for geometrical tolerance



3 Improvement on antenna cover
Radio-wave-transparent material/composition

★ EMI/EMC solution
 Wideband radio wave

● Research, for whom?

Organizations developing terahertz systems



● Research motivation

Finding some issues for practical terahertz applications

Radio-wave absorber for reducing unnecessary reflection



● Research goal

Realization for high-speed mass-data communication (whenever, wherever)

