

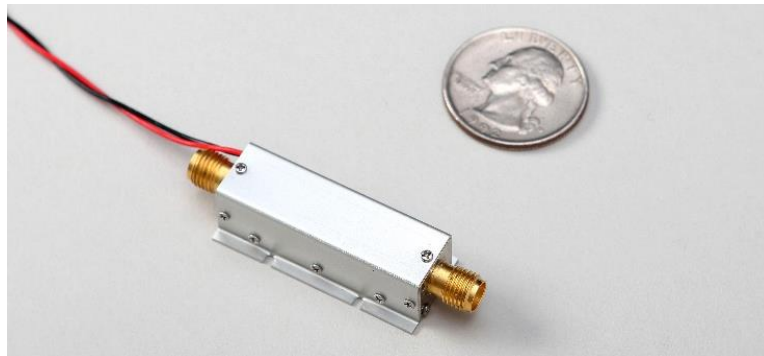
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**Adamant Namiki Releases**  
**the World's First Ultra-compact 2.45 GHz Microwave Power Amplifier**

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TOKYO, Mar. 9, 2021 – In the field of microwave heating as an energy source, there is a growing demand for local heating. The GaN power amplifier, which is characterized by high phase coherence in comparison with the conventional magnetron, can freely control the temperature distribution by phase control to enable local internal heating.

Adamant Namiki Precision Jewel Co., Ltd. developed the world's first ultra-compact 2.45 GHz microwave power amplifier using LTCC substrates, which have an overwhelming market share and a proven track record in the medical device market.

**Ultra-Compact Microwave Power Amplifier Utilizing LTCC Substrate****Features**

1. World's first ultra-compact size 51.5 mm long x 15 mm wide x 10.5 mm high
2. No radio wave permission required in ISM band
3. Small size but high power output: 25W or more
4. High efficiency by adopting GaN device: 55% or more

URL: <https://www.ad-na.com/en/product/jewel/product/micropoweramp.html>

**Adamant Namiki Precision Jewel Co., Ltd.: Overview**

Address: 3-8-22, Shinden, Adachi-ku, Tokyo

Establishment: 28 August 1953      Capital: 100 million yen      Employees: 450

President and CEO: Shoji Namiki

TEL: +81 (0)3 5390 7643

URL: <https://www.ad-na.com/en/>

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