

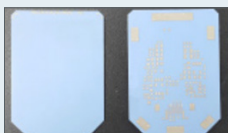
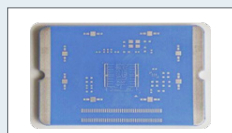


## Y-TECH Co., Ltd.

CEO	Martin Lee	Phone	+82-70-4148-6665
E-mail	sales@ytcera.com		
Address	106-74, Gwahakdanji-ro, Cangneung-si, Gangwon-do, (25440), Korea		
major business	LTCC Electronic Communication Components		

Y-TECH is the leading company with business growth through diversification of items and standing on the basis of 20 years' R&D system based on LTCC materials technique in the ceramic components market using key technology of the Materials, Design and Property Evaluation on the basis of LTCC (Low Temperature Co-fired Ceramic). Y-TECH is specialized in new materials electronic component. It would provide new items from development to mass production by operating Y-TECH's R&D center and have more patents related to ceramic manufacturing process and products.

### Products

 Plasma Discharge substrate	Use	Air purifiers, Sterilizers, Skin care devices, Freshness retaining device for agricultural, etc	 IoT Chip Antenna	Use	Wi-Fi applications, Healthcare, Self-driving car, Smart Home, etc
	Description	It is possible to discharge at a low temperature and has high stability of plasma. And since Ag electrodes with high conductivity are used, power efficiency is excellent		Description	800~500MHz IoT Antenna, Miniaturization using LTCC Multi-layer and intergration technology
 Bio Sensor LTCC substrate	Use	Medical X-ray	 5G Antenna Module	Use	Smart Factory, Smart Phone, etc
	Description	Application of LTCC with expansion coefficient similar to that of semiconductor, Simultaneous support of wire-bonding and SMD		Description	High gain mm-Wave band antenna modules based on low dielectric constant and dielectric loss material technology





### Technical Capacity

#### » Ceramic source technology (Low Temperature Co-fired Ceramics)

LTCC technology involves the production of dielectric communication parts and multi-layer circuits from dielectric ceramic by stacking the dielectric ceramic three-dimensionally, which can be easily co-fired with Ag or Pt electrode in electrical conductivity, and sintering them at 900°C or lower at the same time. And It is ecofriendly material technology that complies with Pb-free, Cd-free and RoHS, and is highly suitable plating processes with excellent durability

#### » Ceramic manufacturing process technology

One of our key strengths is we have the entire system of the procedures from material sourcing and manufacturing throughout the quality inspection/assurance in our facility

Material	Design	Process	Quality Evaluation
 <ul style="list-style-type: none"> <li>Dielectric constant control</li> <li>High-Strength Material</li> <li>Tape-casting</li> <li>ZST material</li> <li>Nano RuO<sub>2</sub> Manufacture</li> <li>Own materials</li> </ul>	 <ul style="list-style-type: none"> <li>Electronic communication components</li> <li>mm-Wave band</li> <li>5G antenna module</li> <li>Power tool</li> </ul>	 <ul style="list-style-type: none"> <li>High precision pattern</li> <li>Narrow linewidth</li> <li>Multi-layer stacking</li> <li>Shrinkage control</li> <li>5-6G element manufacture</li> </ul>	 <ul style="list-style-type: none"> <li>Electrical circuit</li> <li>Reliability test</li> <li>RF quality (~74GHz)</li> <li>Heat release</li> </ul>

#### » Technology for 5G&mm-Wave element process

Y-TECH has the materials capable of 5G&mm-wave, and has world-class LTCC process technology in terms of process design technology. of world class level in terms of process technology