

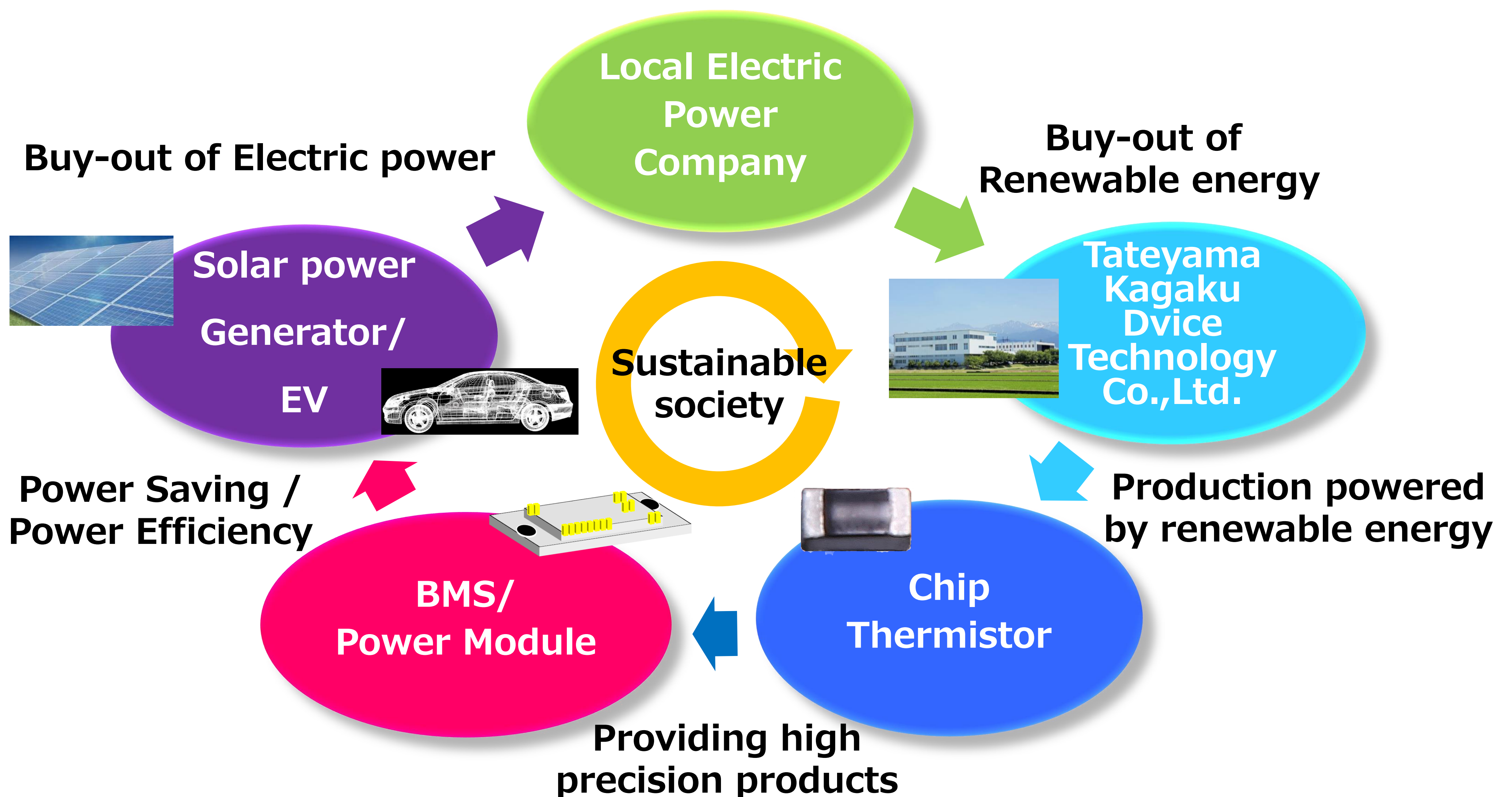
Thick Film Chip Thermistors (TCT Series) ~ Utilization of renewable energy ~

Contributing to **carbon neutrality**
with **temperature sensor** derived
from "Kagayaki-GREEN Pure"

Tateyama Kagaku Device Technology Co., Ltd. has introduced "Kagayaki-GREEN Pure" renewable energy electricity (zero CO2 emissions) from Hokuriku Electric Power Company. The plant using this energy produces thick-film chip thermistors and contributes to decarbonization on a global scale.



Certification



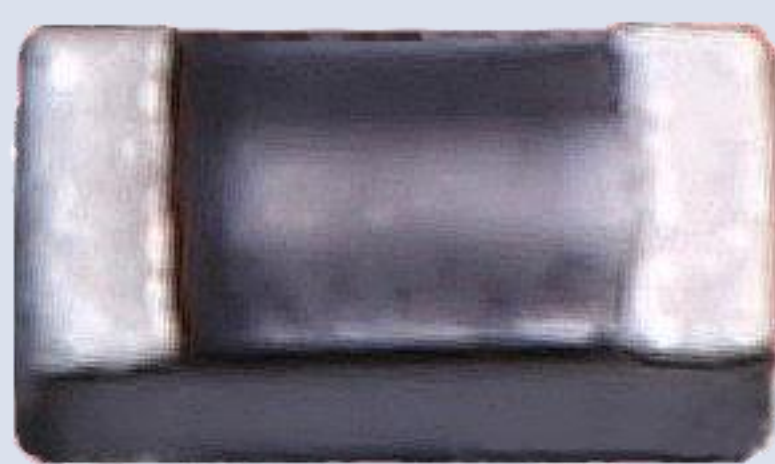
We will grow to contribute to a sustainable society!

Thick Film Chip Thermistors (TCT Series)

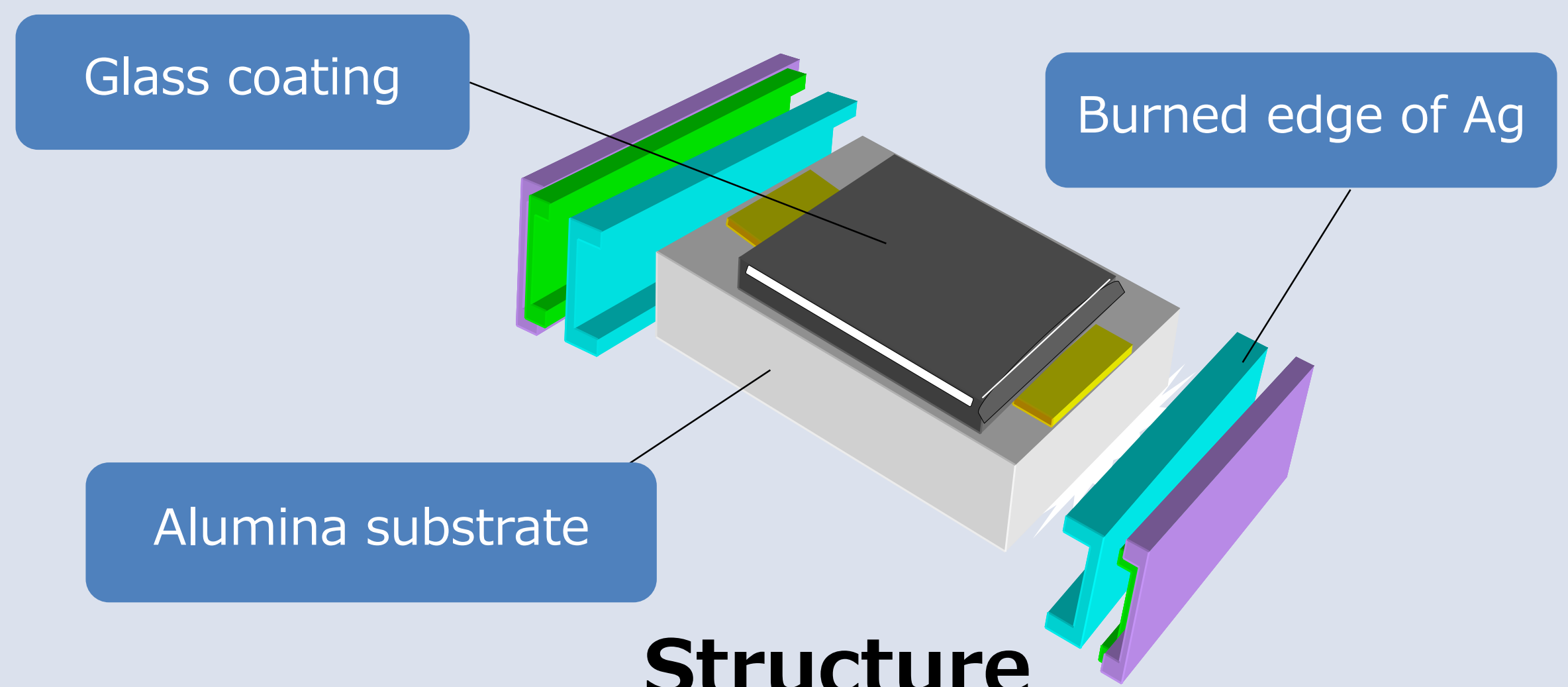
IATF16949 Certified

Tateyama Kagaku's original patented Thick Film Structure
by pursuing material design and Mixing process

Tateyama Kagaku Product



Product



Structure

Features

- Free combination choice between R/V and B/V
Realizing a requested temperature curve
- Keeping reliability in higher temperature , **more than 150°C**
Please inquire for higher temperatures , 175°C and 200°C
- High mechanical strength by Alumina base & Glass coating
- Superior thermal responsiveness due to small cubic volume & heat capacity
- Superior Resistance-to-thermal shock compared to multi-layer structure
- Strong at resin sealing by glass coating

Applications

Automotive	Automotive/Measuring outside air temp. , Temp. detecting of cooling water, controlling headlight
Space	Temp. detecting of controlling board, Temp. monitoring of heating element and component
Industrial	Temp. compensation of IGBT module, Preventing overheating of inverter
Printer	Compensation of Dot density, Temp. detecting of controlling board FET
Communication equipment	Temp. correction of crystal oscillator, battery protection circuit



Company URL <https://www.tateyama.jp/dt/en>

TATEYAMA

Tateyama Kagaku Device Technology Co.,Ltd.