

AVATEC

MLCC

Multilayer Ceramic Capacitor



AVATEC
(주)아바텍

CEO MESSAGE

Greetings!

Thank you for visiting AVATEC.

Founded in 2000, AVATEC is a company listed on KOSDAQ grown up constantly through the continuous R&D and the management innovation in the rapidly changing managerial environment.

AVATEC coating business set up the thin film coating business with the largest vacuum multi-layer film deposition facility in Korea and high coating technology.

Since 2018, AVATEC started the new business MLCC, which is called the rice of Electronics industry. After launching MLCC business, AVATEC consists of competent engineers and skilled technicians.

AVATEC is aggressively investing the state-of-the-art facilities.

As a differentiation strategy to enter the automotive MLCC market, we possessed core processes and advanced technologies to respond to high-capacity, thin-layer type multilayer ceramic capacitor (MLCC) specifications, and completed IATF16949 certification and AEC-Q200 approval.

Based on the superior technology skills accumulated till now, all the executives and employees of AVATEC promise to make our best until the day that our customers are touched by our service beyond the customer satisfaction having the principles of challenge, development and creation to diversify our business.

Thank you for the constant interests and encouragement placed by customers and stockholders and we will meet your expectations by maximizing the corporate value without fail.

Thank you.

AVATEC CEO
Myeong-Seob, Park

안녕하십니까?

아바텍을 찾아주신 고객분들께 진심으로 감사드립니다.

지난 2000년 설립된 아바텍은 IT 부품소재 분야에서 경영환경의 급격한 변화 속에서도 지속적인 연구개발과 경영 혁신을 통해 지금까지 꾸준히 성장해 온 코스닥 상장회사입니다.

당사의 코팅 사업은 국내 최대 진공 다층막 증착설비 및 코팅 기술을 바탕으로 고 기능성 박막코팅 사업을 시작하였습니다.

2018년부터 AVATEC은 전자 산업의 쌀이라고 하는 새로운 사업으로 MLCC를 시작했습니다.

MLCC 사업을 시작한 AVATEC은 유능한 엔지니어와 숙련된 기술자로 구성되어 있습니다.

AVATEC은 최첨단 시설에 적극적으로 투자하고 있습니다.

결과적으로 전례없는 속도로 MLCC를 개발 및 제조하고 있습니다.

자동차 MLCC 시장에 진입하기 위한 차별화 전략으로 고용량 박층 타입의 적층세라믹 커패시터(MLCC) 사업에 대응하기 위해 핵심 프로세스와 첨단 기술을 보유하였으며, IATF16949 인증과 AEC-Q200 승인 완료하였습니다.

현재까지 축적해온 경쟁 우위의 기술력을 기반으로 사업의 다각화를 위해 도전과 개척 & 창조의 신념을 갖고 고객 만족을 넘어 고객과 감동하는 날까지 아바텍 전 임직원 이 최선을 다할 것으로 약속드립니다.

항상 변함없는 관심과 성원을 보내주시는 고객 여러분과 주주님께 진심 어린 감사의 말씀을 드리며 반드시 기업가치 극대화를 통해서 기대에 부응토록 하겠습니다.

감사합니다.

(주)AVATEC 대표이사 박명섭
MS.Park

COMPANY OUTLINE

CHAIRMAN Jae-Gon, Wee(위재곤)

CEO Myeong-Seob, Park(박명섭)

FOUNDED DAY 2000. 9. 1

CAPITAL US\$7,200,000

HEADQUARTERS & FACTORY Land -13,200㎡ / Factory -12,800㎡

Residence hall -1,300㎡

GUMI BRANCH Land -26,400㎡ / Factory -30,000㎡

EMPLOYEES 510 people

ADDRESS 100, Dalseo-daero 85-gil, Dalseo-gu, Daegu, 42715, S.Korea

(대구광역시 달서구 달서대로 85길 100)

59-21, Cheomdangjeop 7-ro, Sandong-myeon, Gumi-si, Gyeongsangbuk-do, 39615, S. Korea

(경상북도 구미시 산동면 첨단기읍7로 59-21)

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QUALITY & ENVIRONMENT SYSTEM

AVETEC conducts reliability test according to international standard such as IEC, MIL, AEC-Q200 and etc.

High Temperature Exposure, Temperature Cycling, Vibration ESD, Board Flex, Mechanical Shock, Destructive Physical Analysis

Characteristics & Reliability Assessment

- High Temperature Resistance Load
- Moisture Resistance Load
- Temperature Characteristics
- Temperature Cycling
- Bending & Adhesive Strength of Termination
- Solder Ability
- Vibration
- High Temperature Exposure



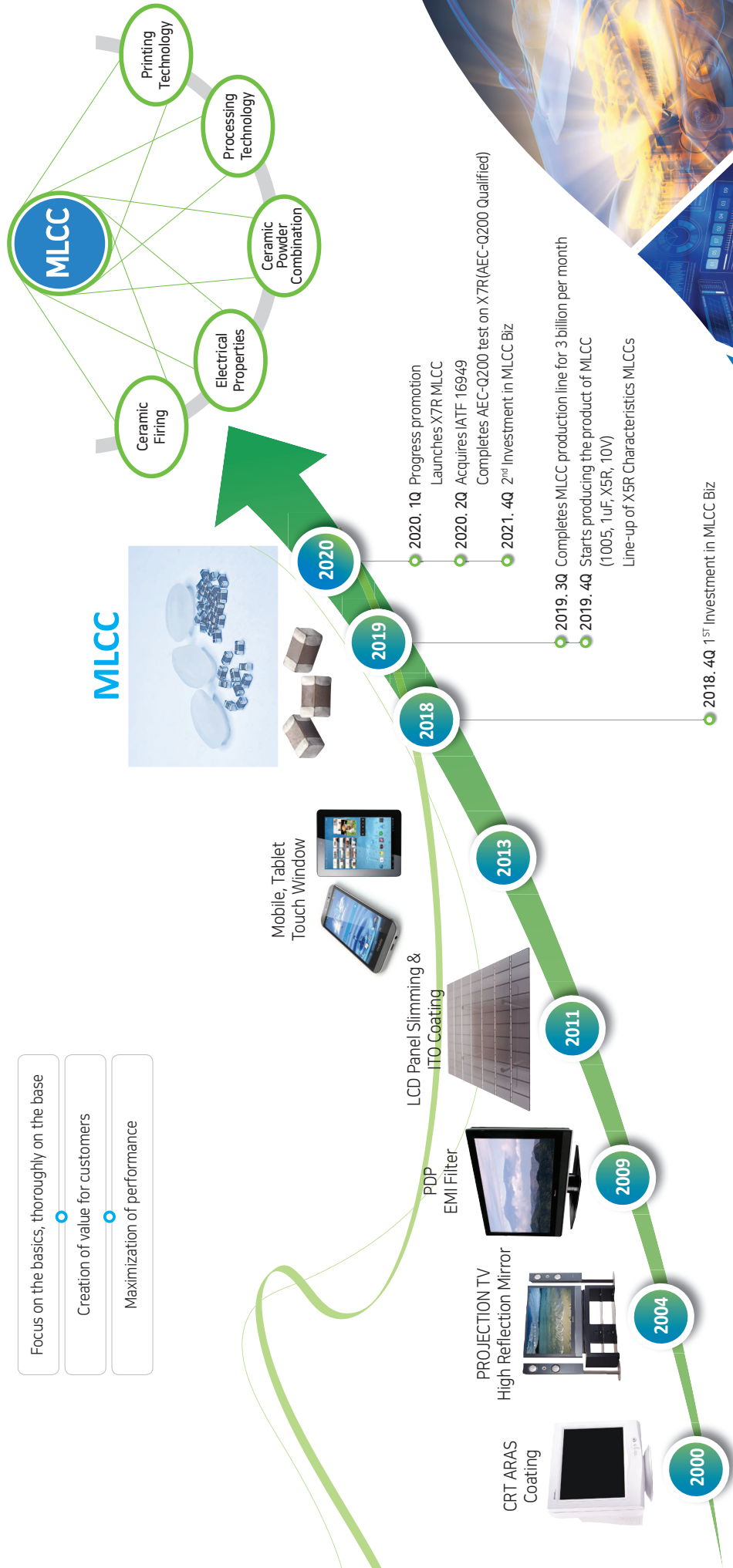
MANAGEMENT PHILOSOPHY

We create value that can contribute to customers with the best
thin film technology and
MLCC electronic components.

- Focus on the basics, thoroughly on the base
- Creation of value for customers
- Maximization of performance

THE BRIEF HISTORY

In spite of short period of time we have walked,
we are growing fast.



MLCC DEVELOPMENT ROADMAP

Technology Roadmap

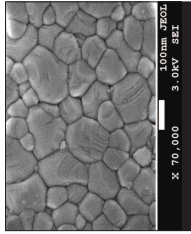
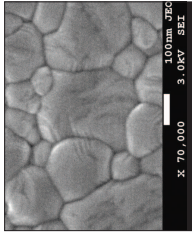
- High Temperature / High Capacitance / High Voltage

Products Roadmap

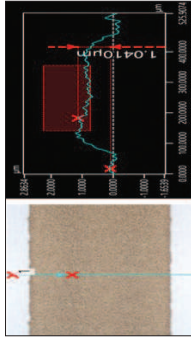
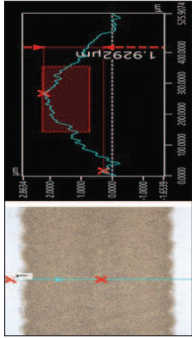
- Expand a variety product size for 0402~3225mm
- Focus on High Reliability MLCCs

Materials Roadmap

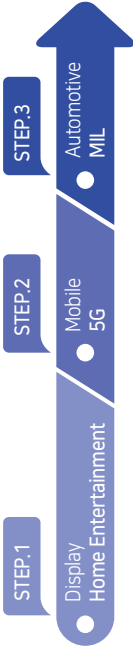
Finer particle Technology



Ni Paste & Print Technology



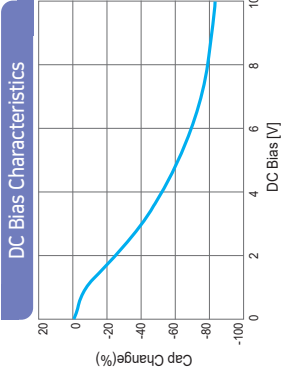
Applications Roadmap



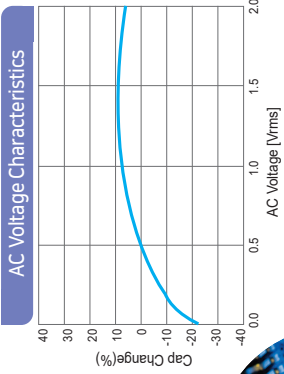
We do our best to provide customers with the best quality products.

MLCC ELECTRICAL CHARACTERISTICS DATA

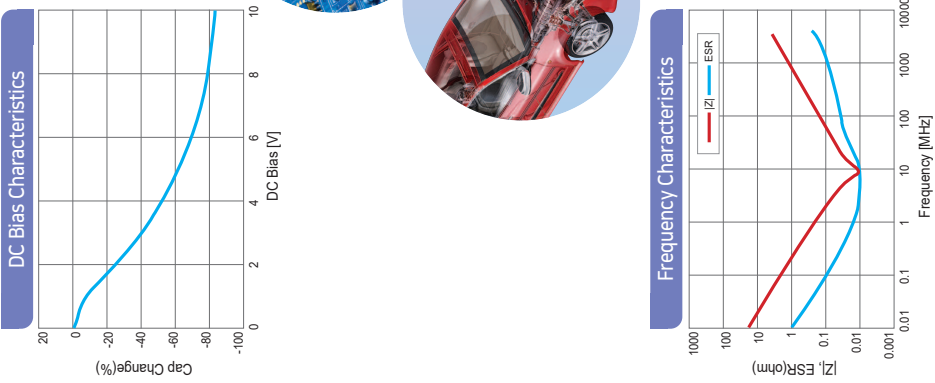
DC Bias Characteristics



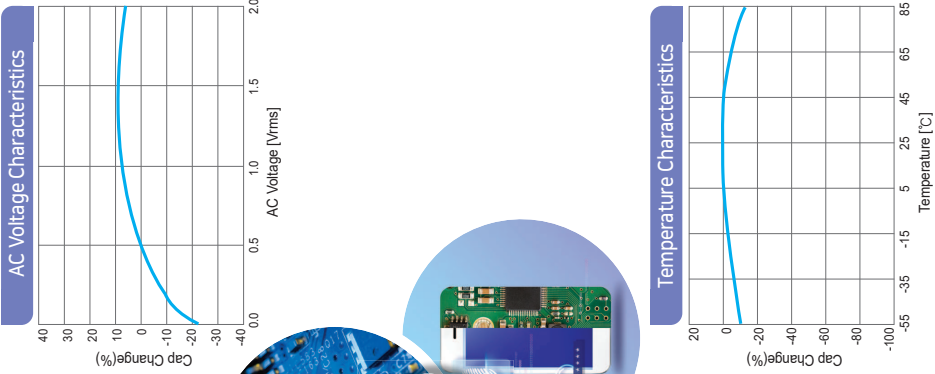
AC Voltage Characteristics



Frequency Characteristics



Temperature Characteristics



AVATEC provide all Electrical Characteristics Data considering circuit environment for customer.

MLCC COMMERCIAL APPLICATIONS

Mobile & Networking



Smart Phone
Tablet

Wearable
Device

Base Station
Repeater

PC
Multifunction Printer

Memory / Storage
Monitor

IT & Peripherals



Automotive

(AEC-Q200 / IATF16949)

Power train

- Engine control unit
- Engine cooling fan
- DC/DC-converter
- Transmission control unit
- Pump control unit
- Hybrid Electric Vehicle

Interior

- Radio & Navigation
- HVAC & climate control
- Body control unit
- Instrumental clusters & displays
- Door control unit
- Seat control

Chassis & Safety

- Power steering
- Air bag control
- Camera & radar systems
- Breaking unit
- ABS & Traction control
- Telematics



Digital Appliances / TV & AV



Air Conditional
Refrigerator

Washing Machine
Air Purifier

Microwave Oven
IH Rice Cooker

Vacuum Cleaner

Industrial



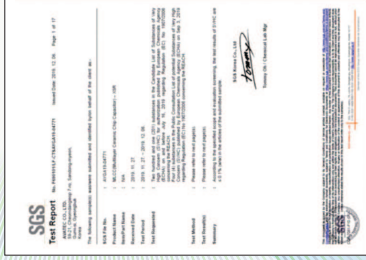
3D Printer
Smarter

Electronic POS

Heavy Duty Vehicles

Security & Safety

MLCC QUALITY & ENVIRONMENT SYSTEM



Quality System Certification
ISO 9001
Environment System Certification
ISO 14001

AVATEC

Automotive Quality System Certification
IATF 16949
Harmful substance Certification
SVHC/REACH, RoHS



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