Universal Microelectronics Co., Ltd.

(Stock Number：2413)

Investor Conference

2023/11/9

AGENDA

1	Company Profile
2	Major Customers
3	Operational Prospect
4	Q & A

About UMEC

- **INITIAL OPERATION** :
  - » January 1984
- **EMPLOYEES** :
  - » Taiwan — 750
  - » China — 1500
  - » Vietnam — 1000
- **CAPITAL** :
  - » US$43,209,000
- **INITIAL PUBLIC OFFERINGS**:
  - » October 1998
- **ANNUAL SALES**:
  - » US$ 161,139,626 (2022)
- **PLANT FLOOR AREA** :
  - » 35,000 m^2 ---- Taiwan HQ and Factory
  - » 72,200 m^2 ---- Shenzhen Factory
  - » 10,000 m^2 ---- Longyan Factory
  - » 7,200 m^2 ---- Meizhou Factory
  - » 18,000 m^2 ---- Hanoi Factory

Headquarter
Taichung Taiwan

Taichung Factory

Shenzhen Factory

Meizhou Factory

Hanoi Factory

Longyan Factory

UMEC – Product Segmentations

Universal Microelectronics Co., Ltd

MAGNETIC

* RF transformers
* Power Transformers
* Inductor Products
* Planar Transformers
* Custom Design Transformer/ Inductor

POWER

* DC/DC Converters
* AC/DC Open Frame
* Power Adapter
* Hot-swappable Redundant Power
* Battery Charger

ICP

DMS/ EMS

* Marine & GPS Product
* mmWave Radar
* Wearable Device
* BLE related Consumer

OPTICAL

* Ultra High Speed AOC : USB 3.1 Type C & 3.0 AOC; HDMI 2.1 & 2.0 AOC/TRX; SFP & QSFP
* Passive Components:

  CWDM/ DWDM
  Fused Biconical Taper

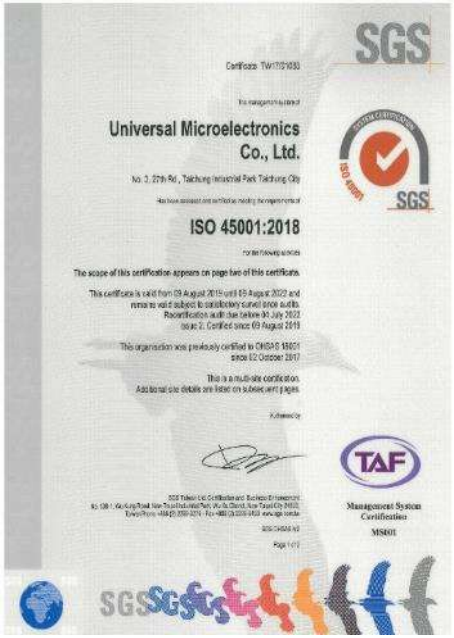
UMEC - Certifications

- **CERTIFICATIONS**:

  - » **Taiwan Factory** — ISO 9001/ TL9000
    - — ISO 14001
    - — UL/ TUV/ CCC/ CQC
    - — ISO 45001
    - — IATF_16949
    - — MFi Manufacturing

  - » **China Factory** — ISO 9001
    - — ISO 14001
    - — UL/ TUV/ CCC/ CQC
    - — IATF_16949
    - — QC080000C
    - — ISO 45001
    - — MFi Manufacturing

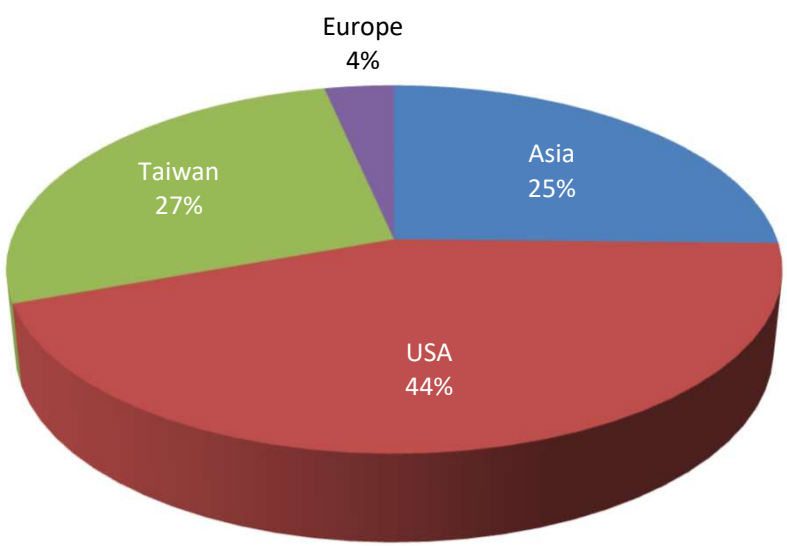
  - » **Vietnam Factory** — ISO 9001
    - — UL/ TUV/ CCC/ CQC
    - — ISO 14001
    - — ISO 45001
    - — MFi Manufacturing



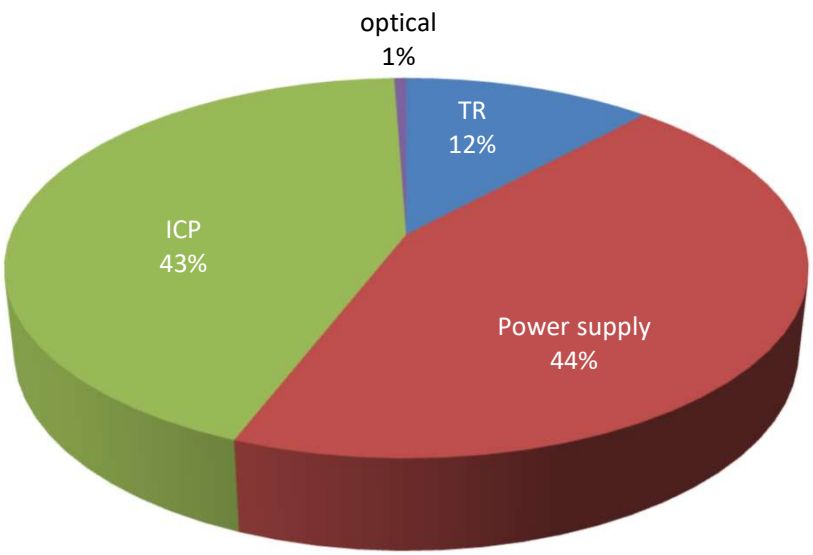
UMEC - Sales Revenue

2022 Revenue: USD$161,139,626

● By Territory



● By Product Line



Major Customers

Magnetic | **Power Supply** | **ICP** | **Optical**

Magnetic Component Product

PLC coupling Transformer

RF Baluns / Transformer

Planar Transformers(PCB)

Automotive Application

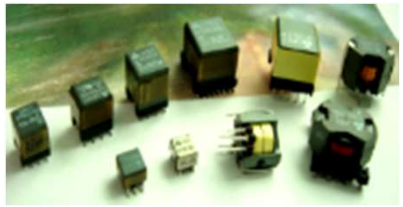
Power Transformer for PoE & HomePlug

Common Mode Chokes / Date Line Filters

Power Inductors /Common Mode Chokes

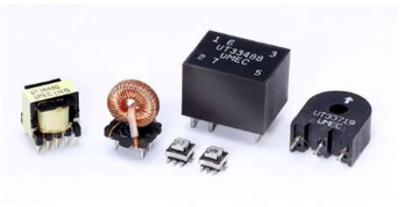
SMD Inductor

XDSL Transformers/POTS Inductors



ADSL / VDSL/ G.fast Transformers

Current Sense Inductors/Transformers



Transformer for Power Applications

Power Supply

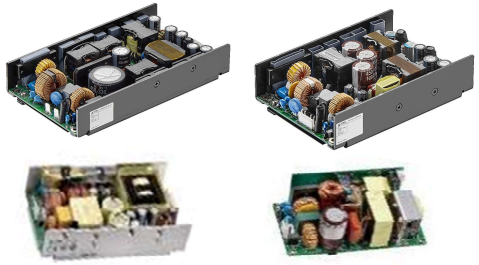
DC/DC Brick & Open Frame

AC/DC Wall-mount

AC/DC DeskTop

Subsystems JDM

Open & U Frame



Redundant(CRPS, SSI)

DC/DC from 50W to 700W

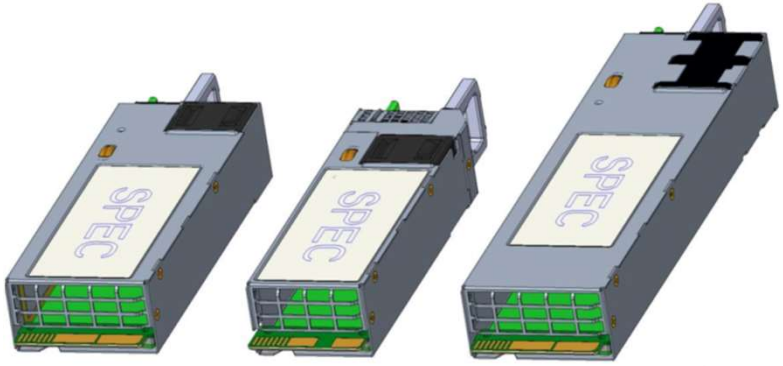
For Telecom / Datacom / Industrial Control System

AC/DC from 6W to 2000W

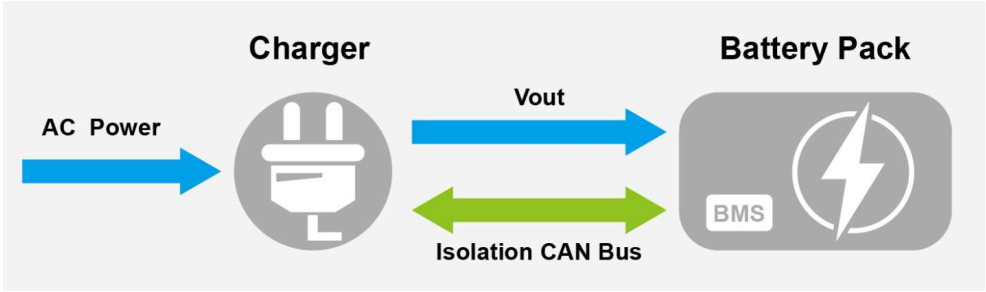
For Networking System / AP Router / Color Laser Printer

Operational Prospect – Power Supply

- **AI Server Field：**
  - Develop the latest M-CRPS AC and DC redundant power supplies increased to 3-6KW. Standard size: 265X73.5mm, 185x73.5mm and 185x60.0mm



- **E Bike Field：**
  - Customized 54.6V/2.7A 147.4W Battery Charger



Operational Prospect– EMS/DMS

DMS/ EMS

- Marine Products
  - Radar
  - Fish Finder, Transducer
  - Marine Chart Plotter
  - Trolling Motor Control System
  - Solid State Marine Radar
- Telephone Line Test Devices
- Automotive Products
  - Automotive FMCW Radar
  - ADAS Solutions
- Industrial Android Rugged Tablet Solution
- mmWave Radar Solutions and Modules
- IoT Products
  - Wearable & IoT Devices
  - Controlling Center Platform & System in ZigBee/ Wi-Fi/ BT

Automotive Radar

ADAS (Advanced Driver Assistance Systems)

- Blind Spot Detection
- Rear Cross Traffic Alert
- Exit Assistance Function
- Lane Change Assistance
- Forward Collision Warning
- Parking Assist Sensor

Commercial Vehicle System

- BSIS UN R151 Blind-spot information systems
- MOIS UN R159 Moving Off Information System

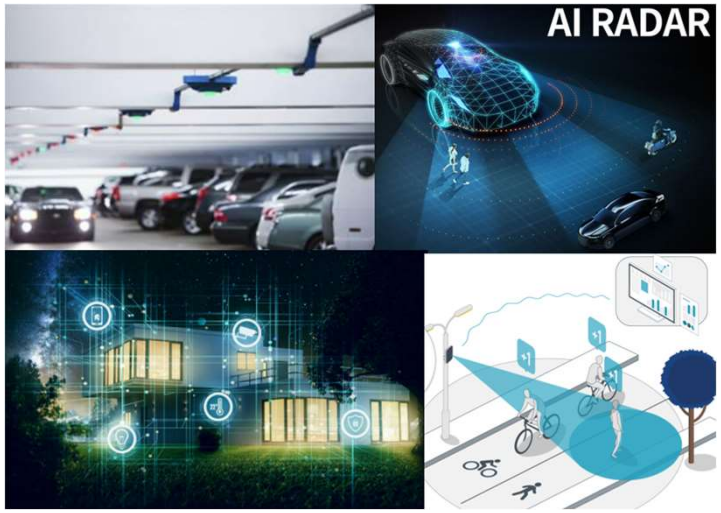
Bike Rear Warning System

- Motorcycle BSD
- Ultra Low Power Bike Radar

Vehicle DVR Sentry Start up Radar

- After parking, if a human body or vehicle intrudes into the warning range, the DVR will be activated. This will save the power consumed by the DVR and will not miss the recording or warning of any possible intruding objects.

Home and Commercial Usage Radar



Security

- Pedestrian Detection
- Automotive Security
- Home Security
- Parking Lot Sense

In Cabin Safety

- Passenger Seat Belt Warning
- Child Presence Detection (CPD)
- Driver Health Monitor

Industrial

- Drone Collision Warning
- Unmanned van Collision Warning

Healthcare

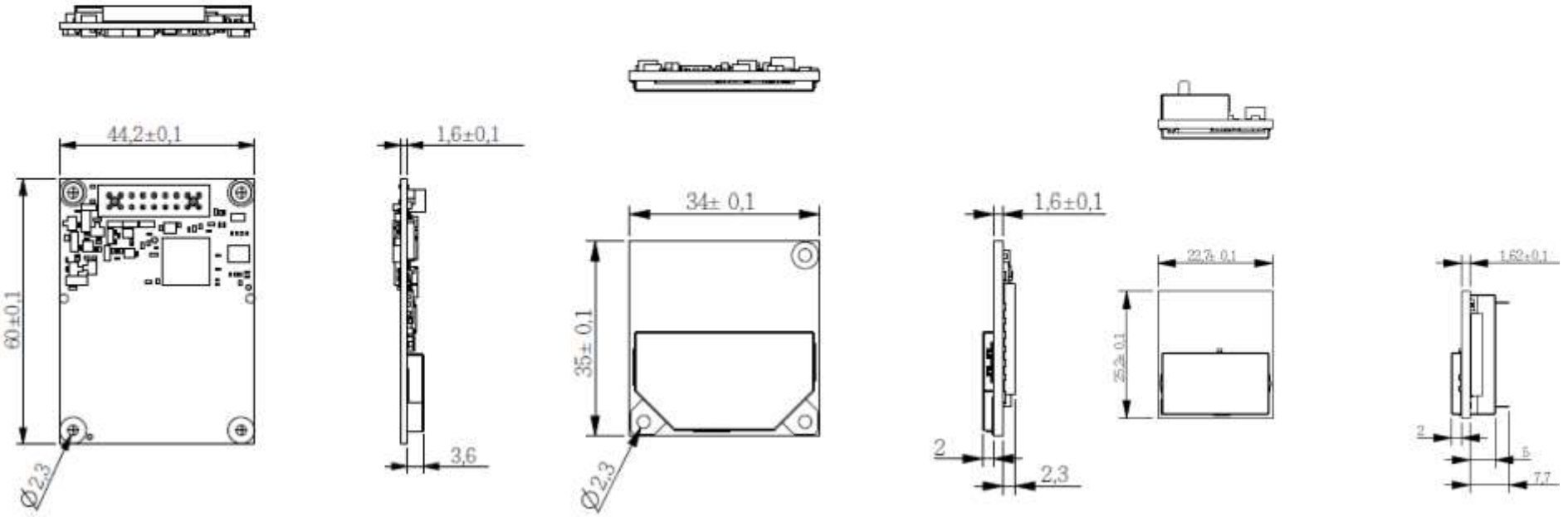
- Vital Sign Measurement
- Elder/Baby Home Care

UMEC Radar Modules

P31 PCBA Module
60 x 44.2 x 5.2 mm

S5 PCBA Module
35 x 34 x 5.9 mm

S6M PCBA Module
25.2 x 22.7 x 8.62 mm



Questions?

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Thanks for Your Attention!