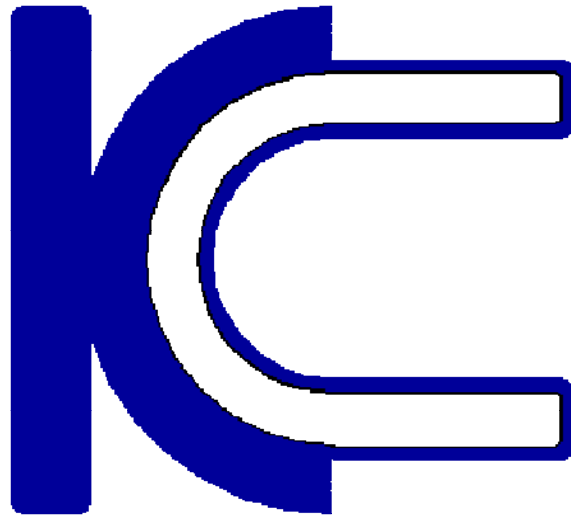


# KING CORE ELECTRONICS INC.



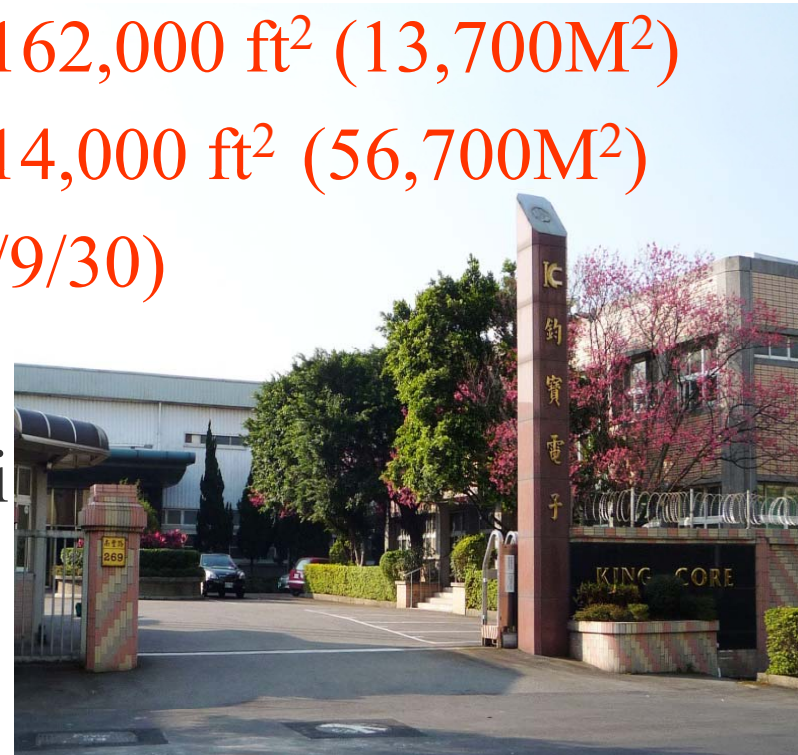
Your Best EMI Solution Partner

A Company with Health, Happiness and Prospect



# COMPANY INTRODUCTION

- Date of Establishment: **Nov. 29, 1986.**
- Location: **Taiwan Taoyuan, 162,000 ft<sup>2</sup> (13,700M<sup>2</sup>)**  
**China Suzhou, 614,000 ft<sup>2</sup> (56,700M<sup>2</sup>)**
- Capital: **USD 31.5 M. (2021/9/30)**
- President: Henry Yang
- General Manager: Jonas Tsai
- Employees: **~500 Persons**





# COMPANY HISTORY

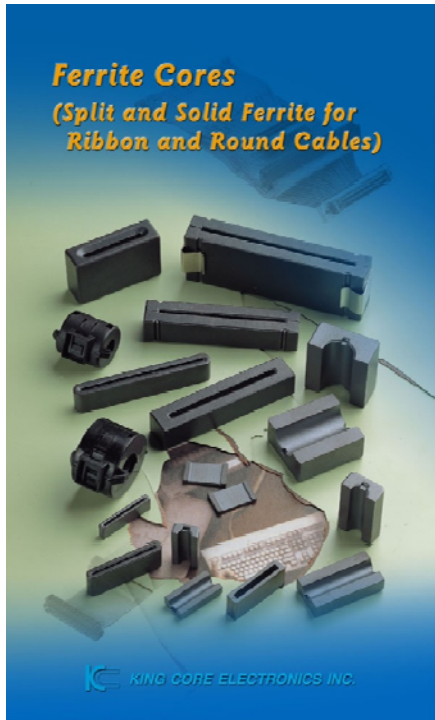
- ✦ 1986 : Established to produce ferrite cores
- ✦ 1995 : The second factory established to produce SMT multilayer chip beads / inductors.
- ✦ 1996 : ISO 9000 certificated
- ✦ 1999 : Foundation Laying of King Core – Suzhou China
- ✦ 2001 : To be listed company on OTC ( Stock Code : 6155 )
- ✦ 2003 : The third factory established to produce SMT precision chokes and coils.
- ✦ 2006 : To be listed company on TWSE
- ✦ 2008 : ISO 14000 certificated
- ✦ 2009 : To be SONY Green Partner
- ✦ 2009 : IECQ QC080000 certificated
- ✦ 2012 : TS16949 certificated
- ✦ 2013 : To invest in developing GHz filter
- ✦ 2014 : To invest in developing mini power choke / inductor
- ✦ 2016 : Solar Power Generation at Pingjhen site : 417.6KW, 500K degrees/year
- ✦ 2017 : To invest in developing LTCC BPF, LPF, Diplexer
- ✦ 2019 : To invest in developing Large Size Ferrite Core for E-Car/Bus
- ✦ 2020 : To invest in developing Inductive Antenna





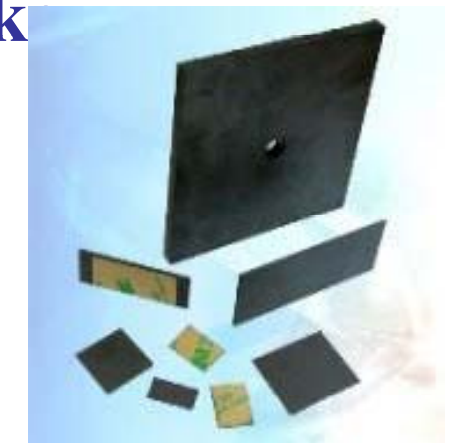
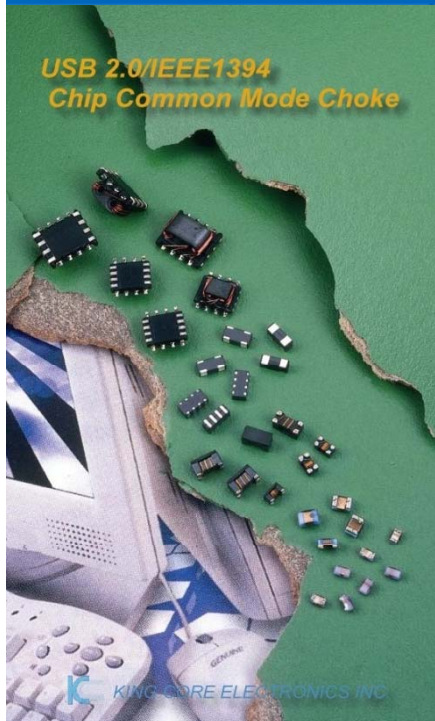
## AWARD & HONOR

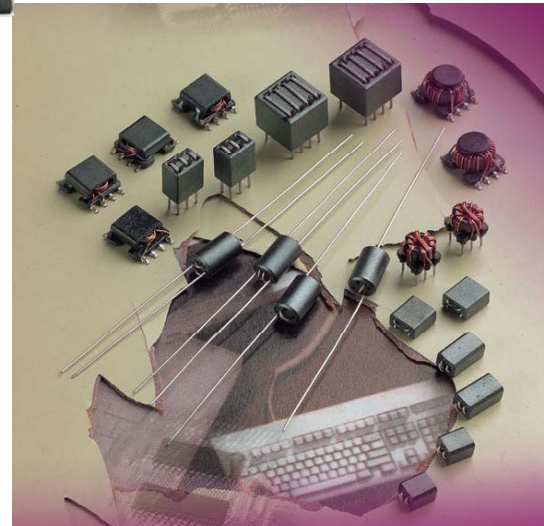
- 1997 : The first computerized ferrite factory in Taiwan and also the example factory by government Taiwan Small and Medium Enterprise Administration Ministry of Economic Affairs.
- 1999 : Awarded “the Rising Star” by Government the best Medium and small enterprises.
- 2000 : Been Awarded “ The Achievement Price of Industrial Pollution Prevention and Waste Control” by Ministry of Economic Affairs, ROC
- 2000 : Been Awarded “The Best Center-satellite Factory of Environment Management” by Compal Computer Corp.
- 2001 : KC’s Founder and President, Mr. Yang, been awarded “24<sup>th</sup> Annual Models of Chinese Youth Entrepreneur”
- 2002 : Been awarded by Asus Computer Inc as the “2001 the Best Cooperative Supplier”
- 2002 : Been selected by Global Views Monthly as the 24<sup>th</sup> Best-Performance Company in Info Tech Top 200 of Taiwan
- 2005 : Been selected by Deloitte as the Top 500 of Asia Tech. company
- 2007~2020 : Hitachi best performance vendor award.
- 2019~2021 : The National Health Administration of the Ministry of Health and Welfare issued [Healthy Workplace Certification and Health Care Start Mark]

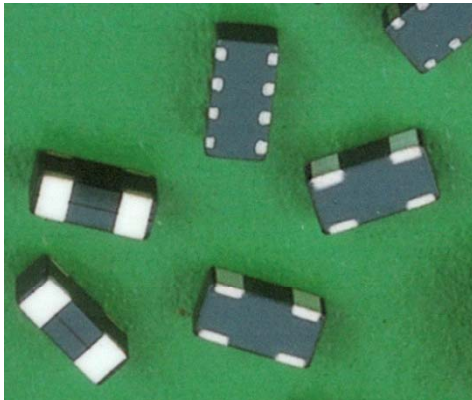
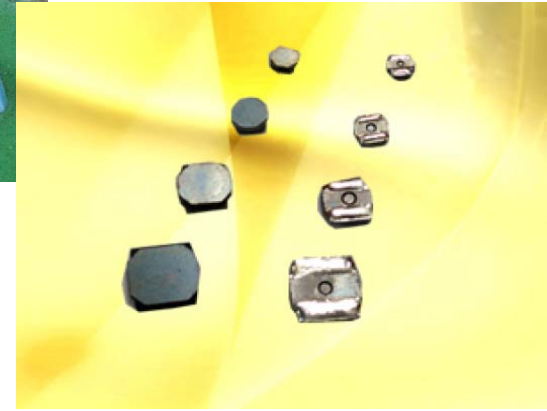
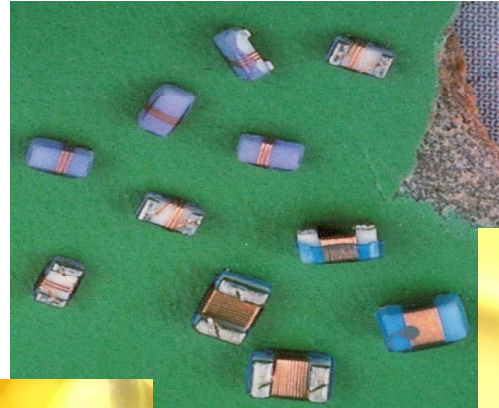
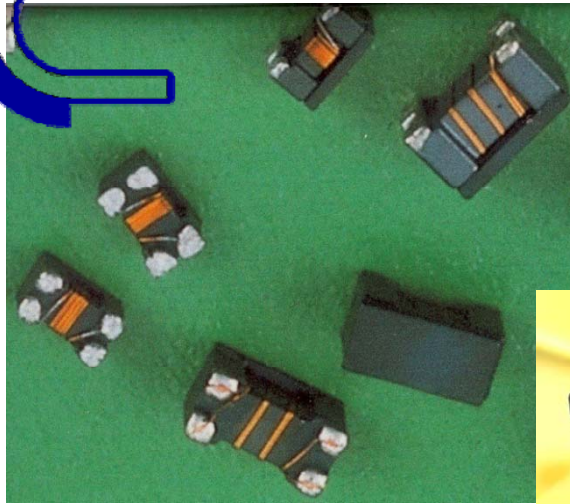
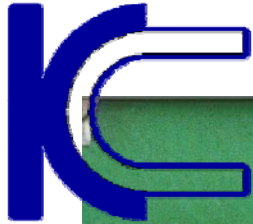


# MAIN PRODUCTS

- **EMI Suppression Ferrite Cores**
  - **600 tons**
- **SMT Multilayer Chip Beads & Inductors**
  - **400~600 kkpcs (0402/0603)**
- **Wound Chip inductor & Choke**
  - **150~200 kkpcs**
- **Ferrite Absorber**
  - **2 kkpcs/ month**





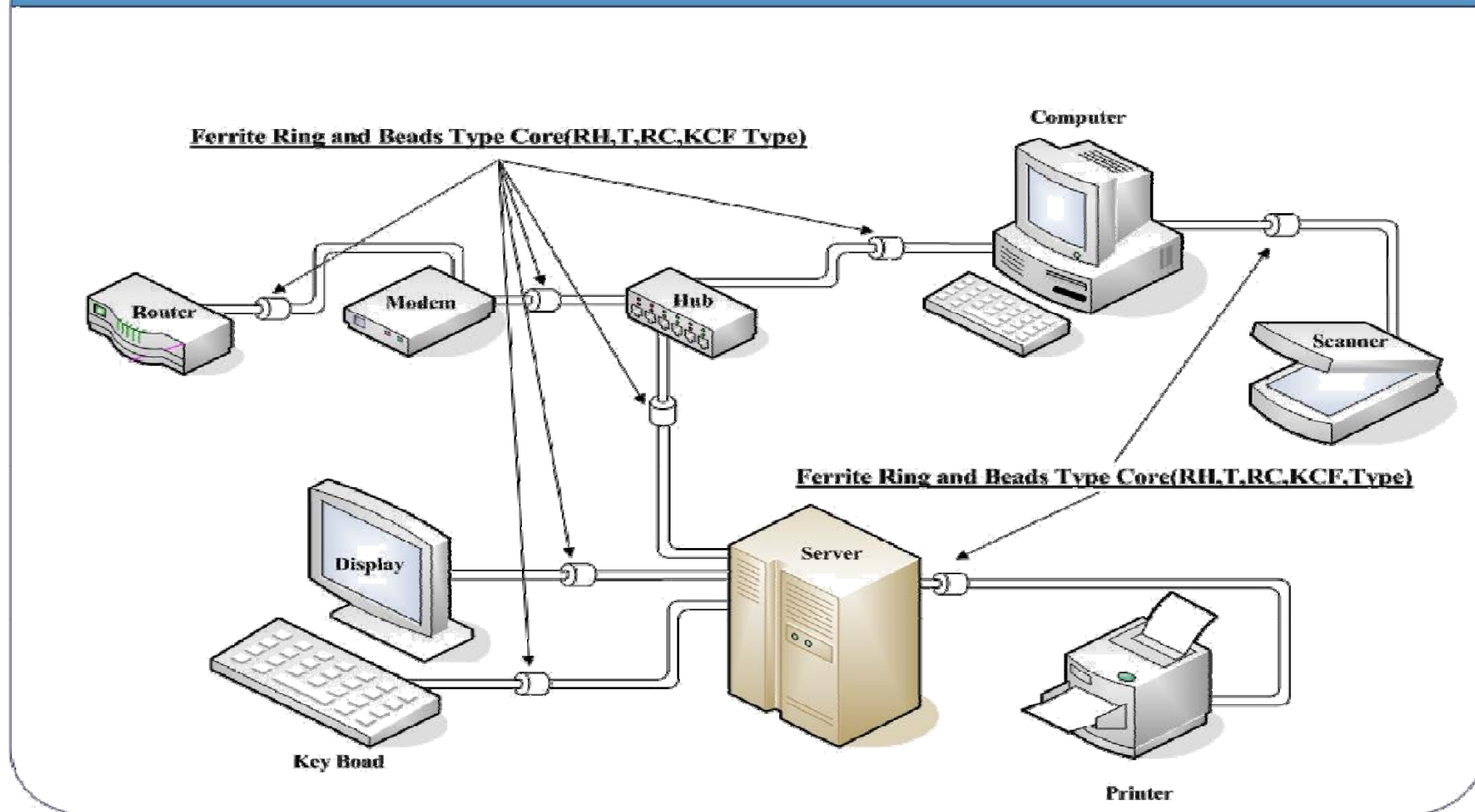


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# KC EMI Suppression Core Application

An Illustration of How to Apply EMI Ferrite Core on Cable







# KC EMI Filter Application

**CPU data bus之對策**  
 可:採用**FBM-10 series**  
 10 - 70 ohm bead

**Comm 1, 2 介面之EMI 對策**  
 可:採用**FBM-10 series**  
 70 - 220 ohm bead

**Modem 電話介面之EMI 對策**  
 可:採用**FBM-11 series**  
 600 - 1000 ohm bead

**IC 電源 Vcc+ in之對策**  
 可:採用**FBM...A series**  
 耐大電流 120 ohm bead

**Print Port介面之EMI 對策**  
 可:採用**FBM-11 series**  
 70 - 300 ohm bead

**DC in 電源input之對策**  
 可:採用**FBM...A series**  
 耐大電流 120 ohm bead

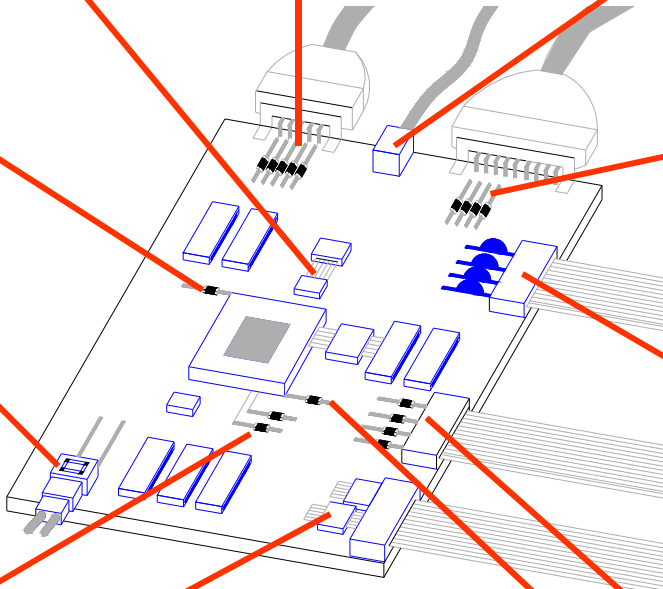
**Video out or LVDS介面之 EMI對策**  
 可:採用**FBM-10 series**  
 30 - 120 ohm bead

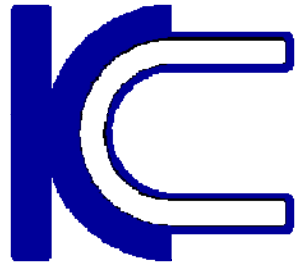
**Clock Generator 之對策**  
 可:採用**FBM-10 series**  
 10 - 70 ohm bead

**IEEE 1394 or USB or LAN 介面之EMI對策**  
 可:採用**WCM series** 90-220 ohm common choke

**IC Grounding 接地之對策**  
 可:採用**FBM-11 series**  
 120 - 600 ohm bead

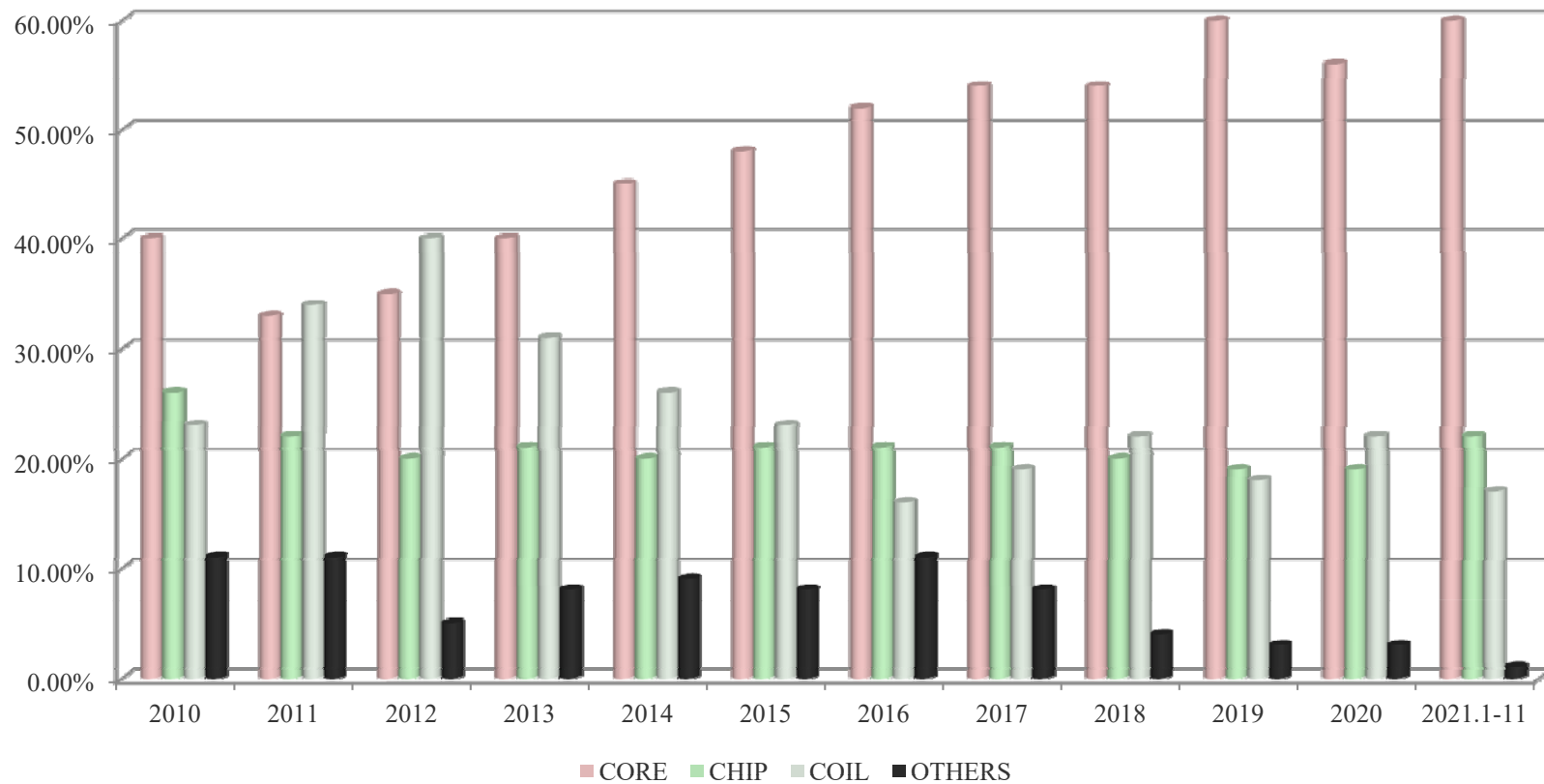
**HDD or CD-ROM介面之 EMI對策**  
 可:採用**FBM-10 series**  
 10 - 70 ohm bead

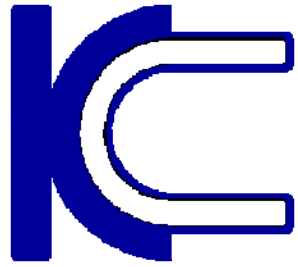




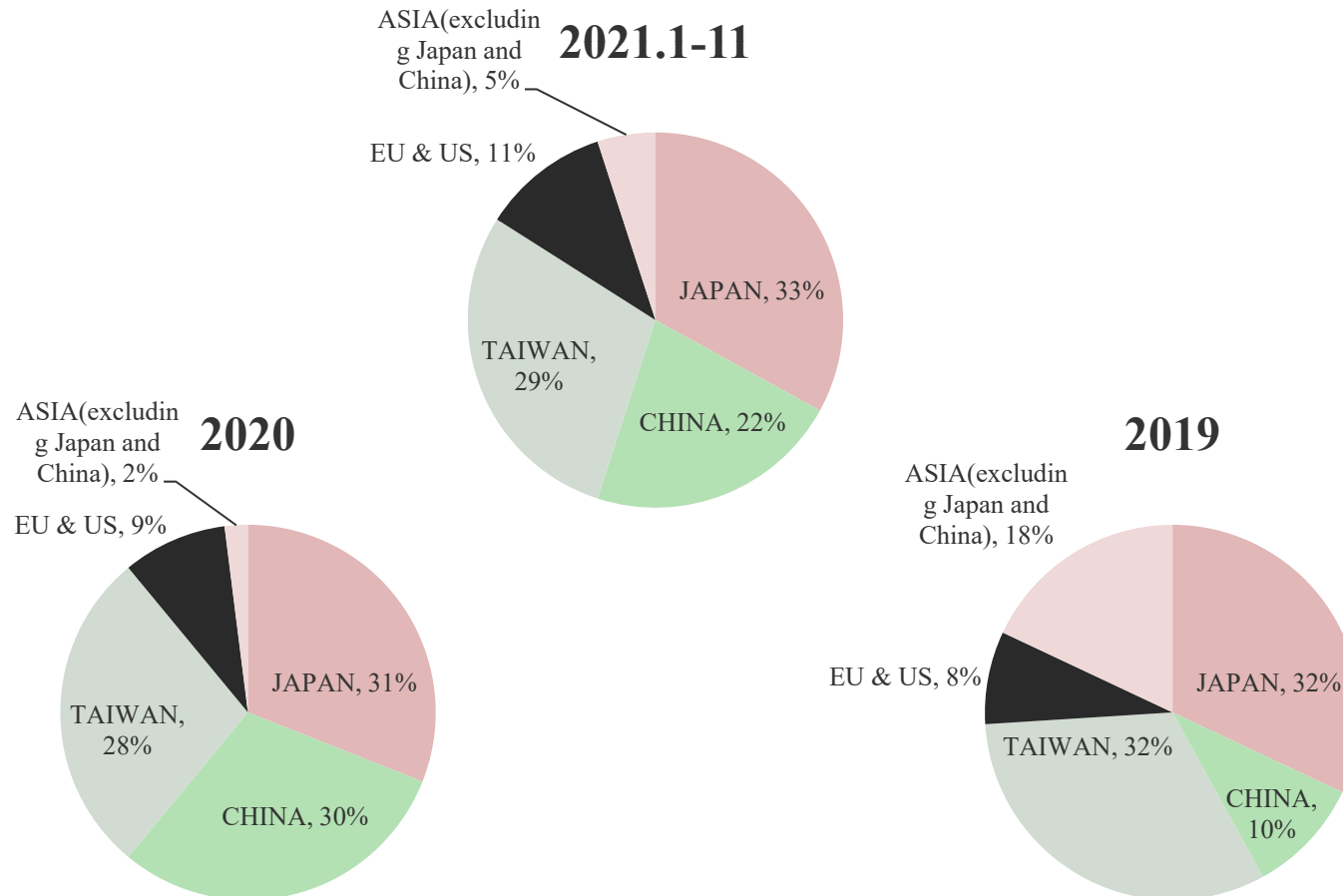
# Proportion of Product Type

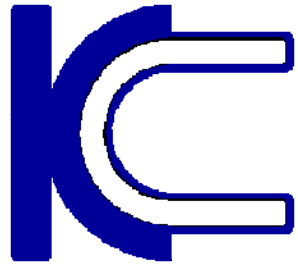
2021.1~11  
CORE : 60%  
CHIP : 22%  
COIL : 17%  
OTHERS : 1%



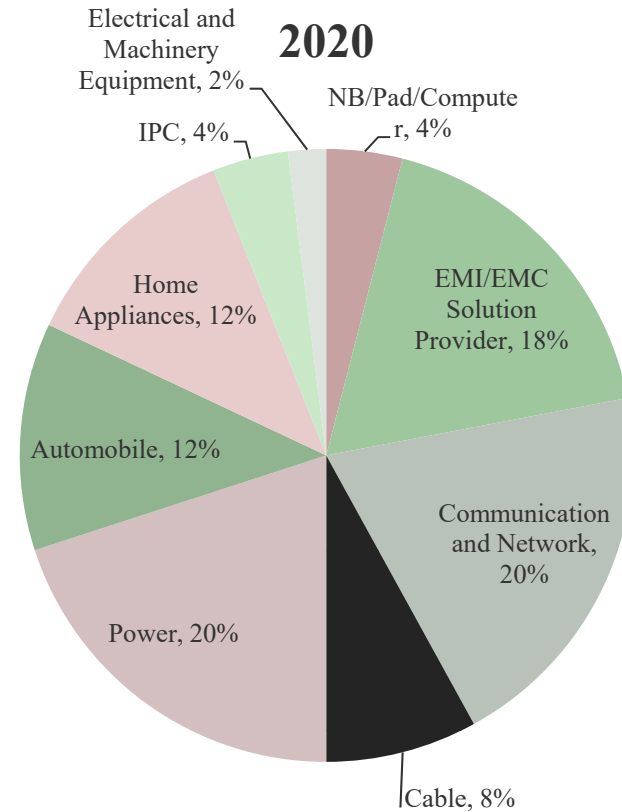
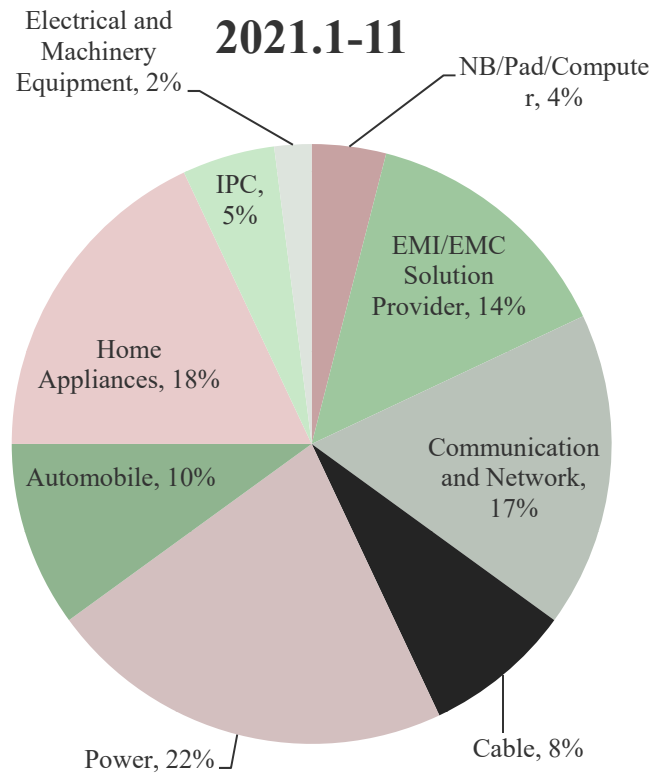


# Proportion of Customer Area



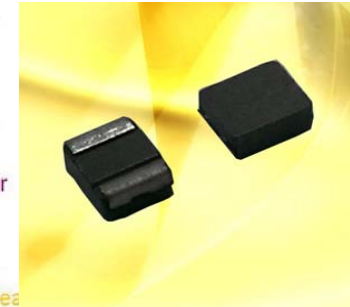
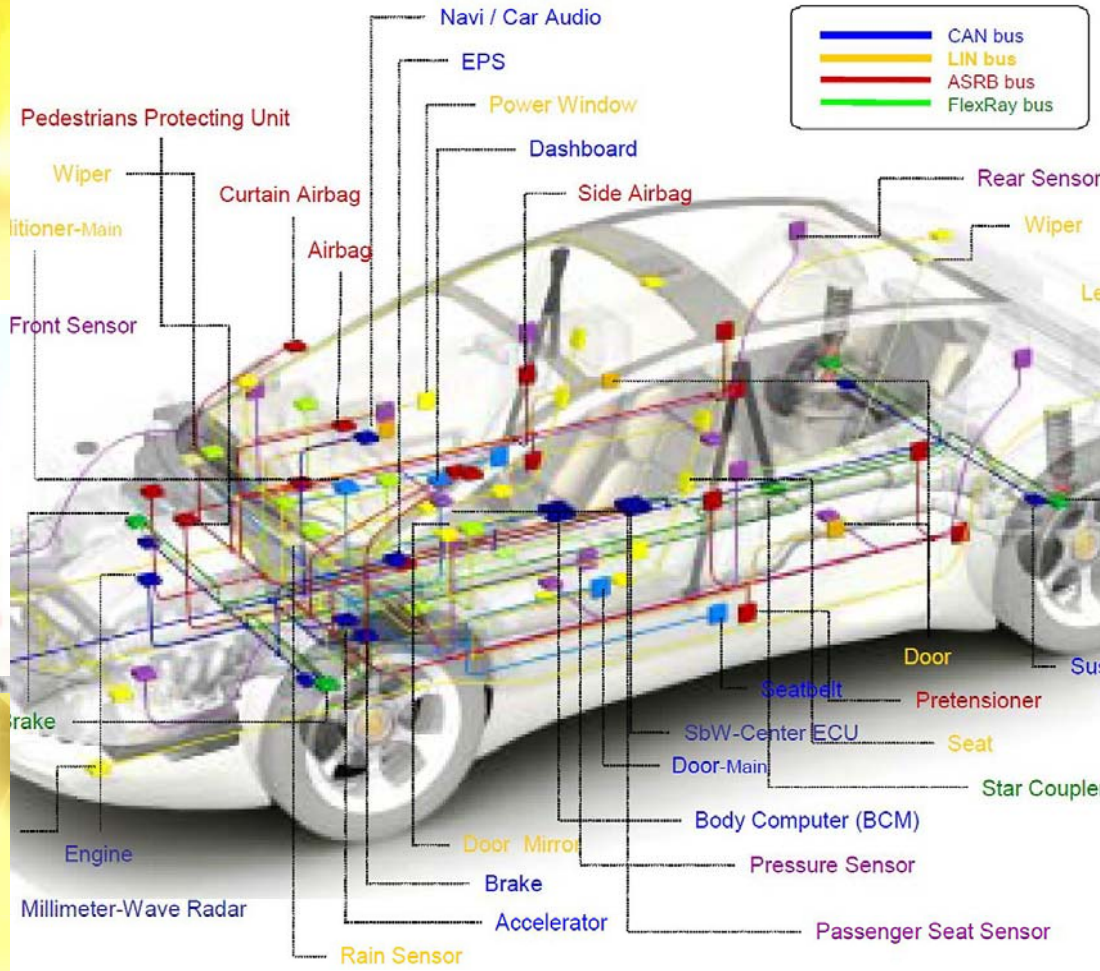
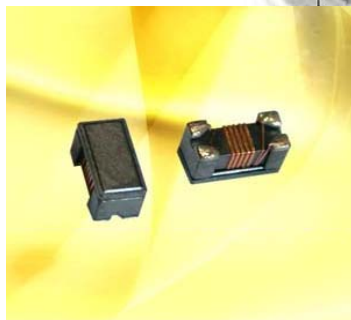
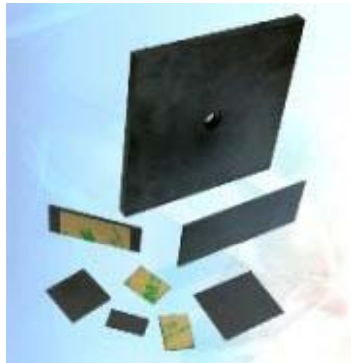


# Proportion of Customer Application

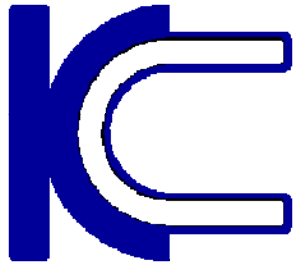




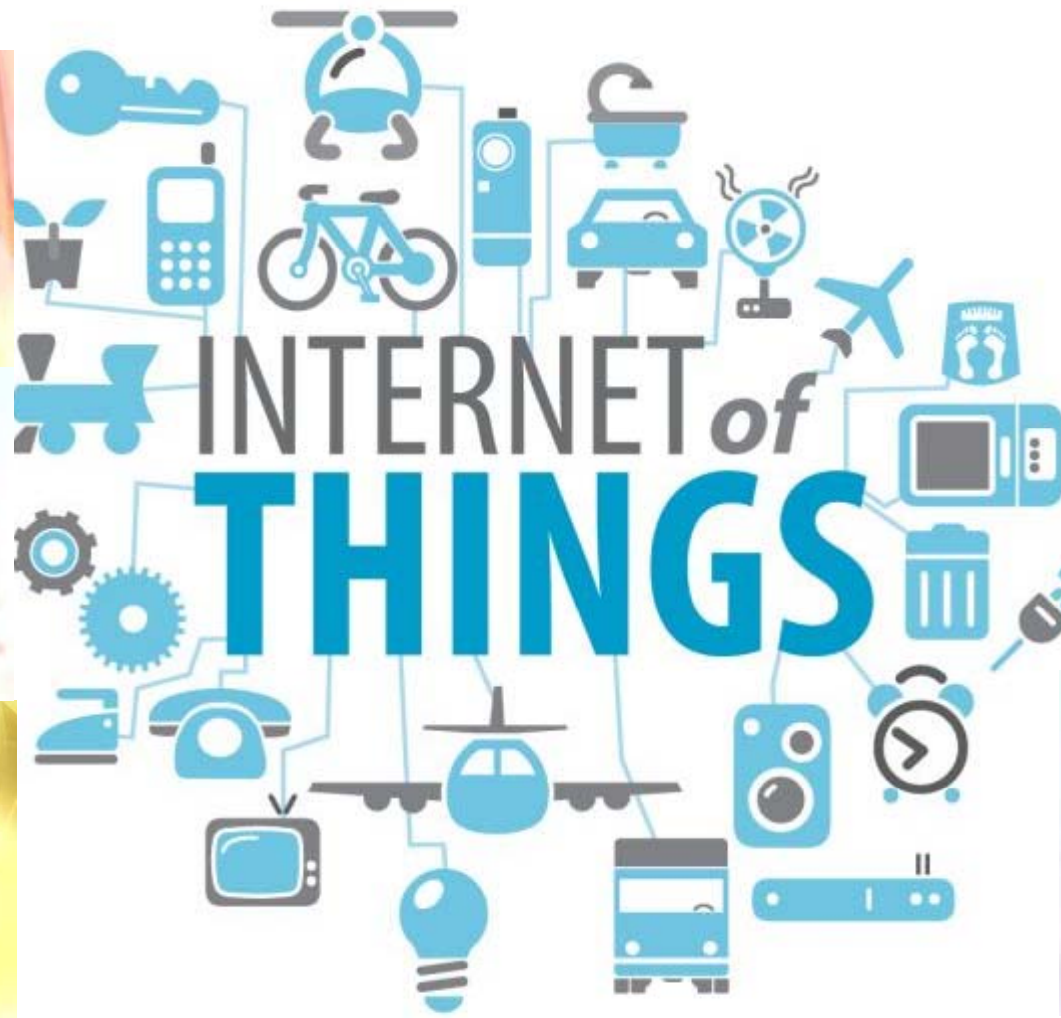
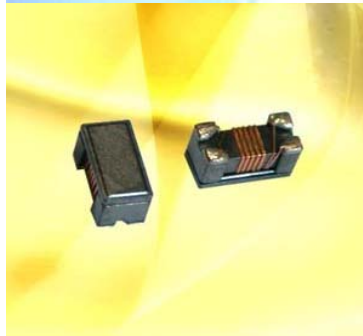
# Automobile Electronics Application



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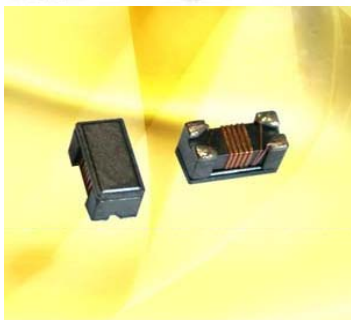
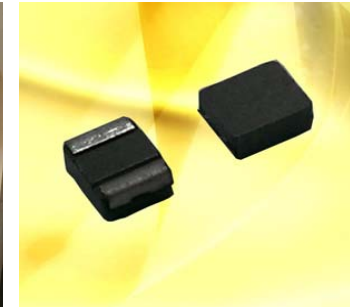


# Communication and Network Application





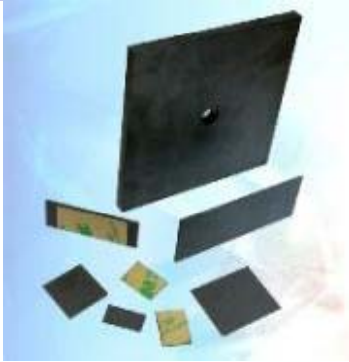
# Home Appliances and IPC



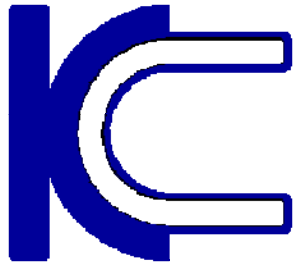
2021/12/15



# Power Application







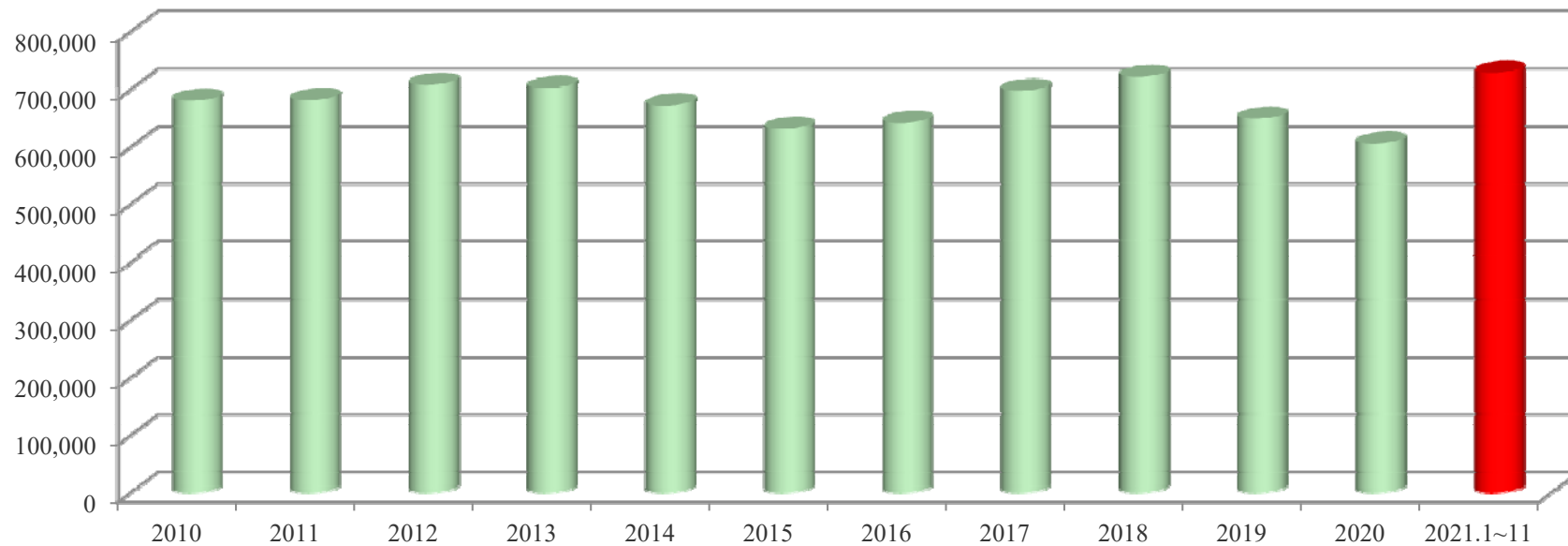
# Turnover over the years

**2021.1~11 : 729,218**

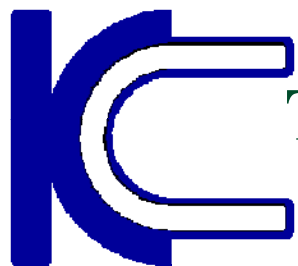
**YoY : +33%**

NTD : K

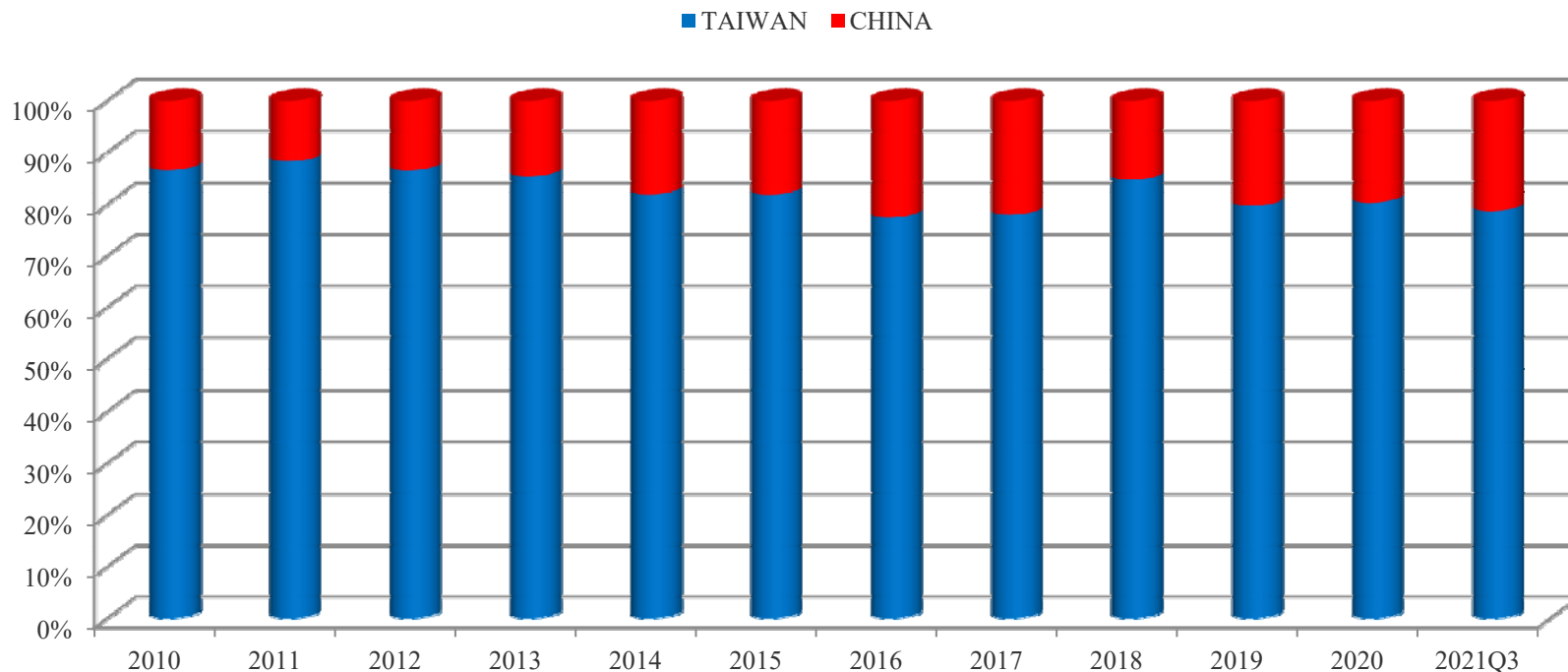
Sales Amount



	2015	2016	2017	2018	2019	2020	2021.1~11
Sales Amount	632,332	642,745	698,467	722,186	649,900	606,740	729,218



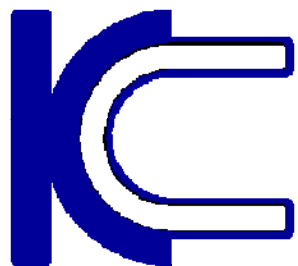
# Turnover proportion in Taiwan and Suzhou



	2015	2016	2017	2018	2019	2020	2021Q3
Taiwan	82%	78%	78%	85%	80%	81%	79%
China	18%	22%	22%	15%	20%	19%	21%

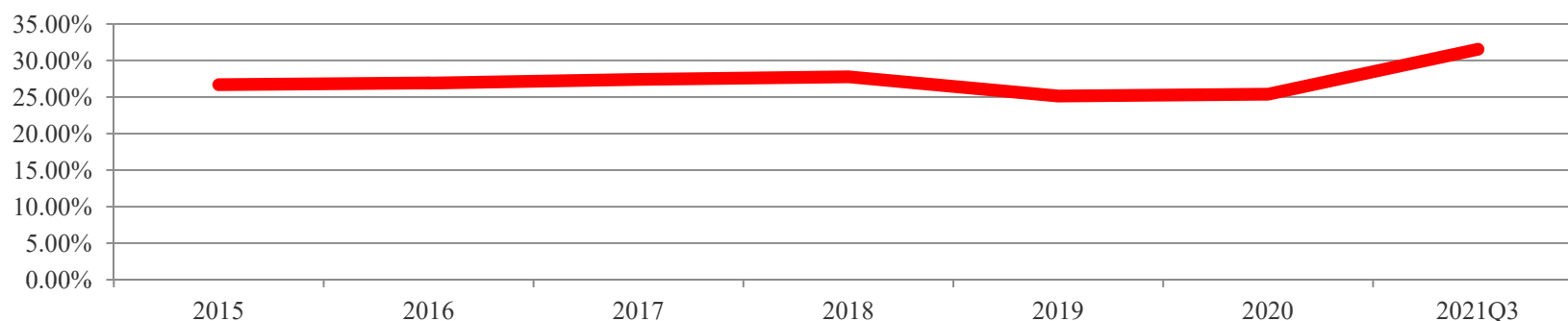
2021/12/15

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# Performance

## Gross Margin(%)



Unit : NTD, K

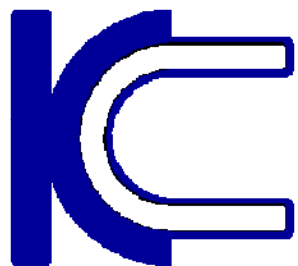
	2015	2016	2017	2018	2019	2020	2021Q3
<b>Net Revenue</b>	632,332	642,745	698,467	722,186	649,900	606,740	590,329
<b>Gross Profit</b>	168,718	172,964	191,501	200,491	163,313	153,991	186,218
<b>Gross Margin(%)</b>	26.68%	26.91%	27.42%	27.76%	25.13%	25.38%	31.54%
<b>Profit before tax</b>	122,163	98,105	43,480	158,602	96,436	40,159	68,001
<b>Profit for the period</b>	104,086	82,557	42,957	127,497	80,341	34,073	52,780
<b>ROE(%)</b>	7.05	5.8	3.11	9.24	5.66	2.43	3.77
<b>EPS (NT Dollar)</b>	1.22	0.96	0.5	1.48	0.93	0.39	0.61

**Note 1: Above financial information has been audited by CPA.**

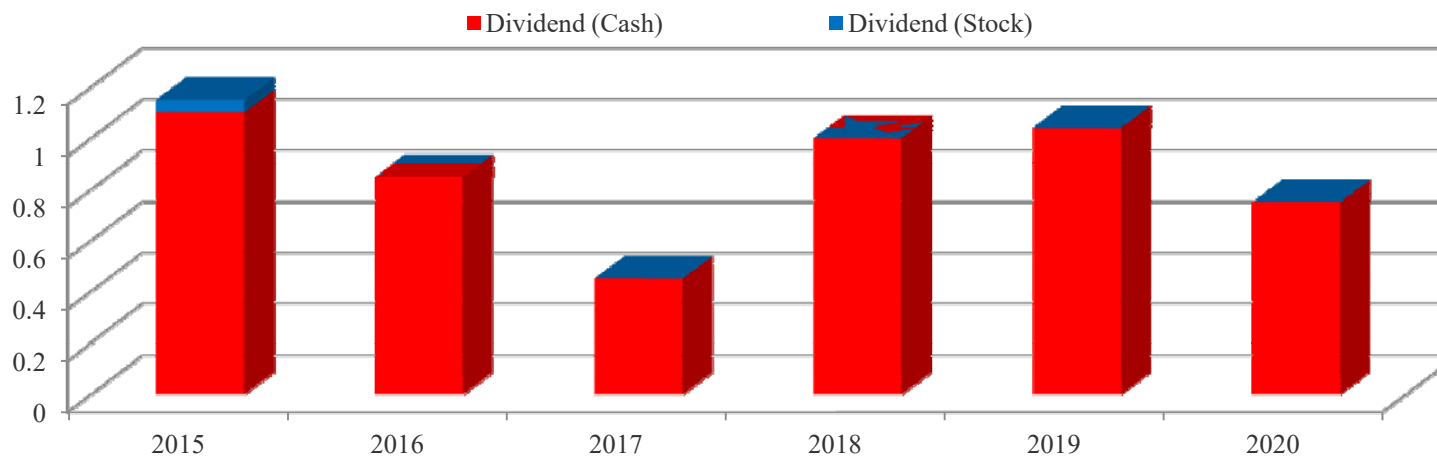
**Note 2 : Adopting International Financial Reporting Standards since year 2013.**

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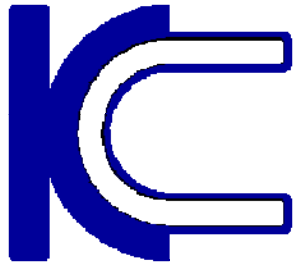


# Dividend



	2015	2016	2017	2018	2019	2020
Basic earnings per share (NT Dollar)	1.22	0.96	0.5	1.48	0.93	0.39
Dividend (Cash)	1.1	0.85	0.45	1.0	1.04	0.75
Dividend (Stock)	0.05	0	0	0	0	0
Dividend (Total)	1.15	0.85	0.45	1.0	1.04	0.75
Payment ratio	94.26%	88.43%	90.27%	67.68%	111.83%	192.31%

Note :Employee bonus as expenses since year 2008.



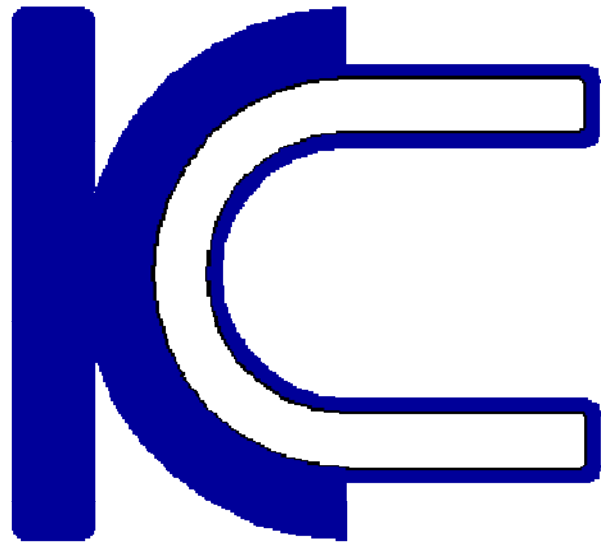
# KC Product Development Roadmap

Product Target	Major Knowhow	Market Application
<b>GHz Common Mode Filter / Choke</b>	Precision and patent LTCC design and manufacturing	5G, Ultra-high speed differential signal interface such as Common Mode, BPF, LPF and Diplexer
<b>GHz impedance suppression component in Multilayer chip design and material</b>	Material composition, inner circuit design, precision printing technique	5G, GHz chip suppressor for EMI/RFI solution application
<b>EMI suppression absorber ferrite material</b>	Material composition, pressing technique, sintering technique	Automotive Electronics, 5G, NFC, WPC, EMI/RFI shielding tool, EMI suppression component
<b>Inductive Antenna</b>	Material composition, inner circuit design, winding technique	Automotive Electronics, Smart Home, RFID, Security System wireless sensors application
<b>High current power choke</b>	Material composition, inner circuit design, lamination & winding technique	Automotive Electronics, Miniaturization 3C product's EMI & high current power solution

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鈞寶電子工業股份有限公司  
KING CORE ELECTRONICS INC.



Thanks for your attending