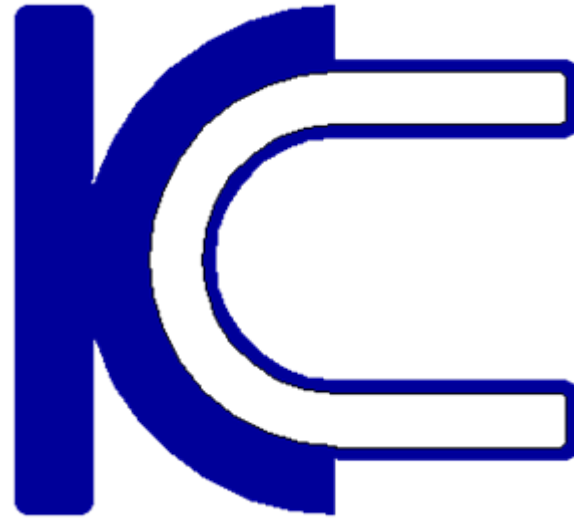


KING CORE ELECTRONICS INC.



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 ft² (13,700M²)**
China Suzhou, 614,000 ft² (56,700M²)
- § Capital: **USD 28.7 M. (2018/6/30)**
- § President: Henry Yang
- § General Manager: Rex Chen
- § Employees: **~400 Persons**





COMPANY HISTORY

- ① 1986 : Established to produce **ferrite cores**
- ① 1995 : The second factory established to produce **SMT multilayer chip beads / inductors.**
- ① 1996 : **ISO 9000** certificated
- ① 1999 : Foundation Laying of King Core – **Suzhou China**
- ① 2001 : To be listed company on **OTC (Stock Code : 6155)**
- ① 2003 : The third factory established to produce **SMT precision chokes and coils.**
- ① 2006 : To be listed company on **TWSE**
- ① 2008 : **ISO 14000** certificated
- ① 2009 : To be **SONY Green Partner**
- ① 2009 : **IECQ QC080000** certificated
- ① 2012 : **TS16949** certificated
- ① 2013 : To invest in developing **GHz filter**
- ① 2014 : To invest in developing **mini power choke / inductor**
- ① 2016 : **Solar Power** Generation at Pingjhen site : **417.6KW, 500K degrees/year**
- ① 2017 : To invest in developing **LTCC BPF, LPF, Diplexer**



2018/8/7



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 “**24th 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 **24th Best-Performance Company in Info Tech Top 200 of Taiwan**
- § 2005 : Been selected by Deloitte as the **Top 500 of Asia Tech. company**
- § 2007~2017 : **Hitachi best performance vendor award.**

2018/8/7

Ferrite Cores

(Split and Solid Ferrite for Ribbon and Round Cables)



KING CORE ELECTRONICS INC.

MAIN PRODUCTS

§ EMI Suppression Ferrite Cores

1 **500 tons/ month**

§ SMT Multilayer Chip Beads & Inductors

1 **300~500 kkpcs/ month(0402/0603)**

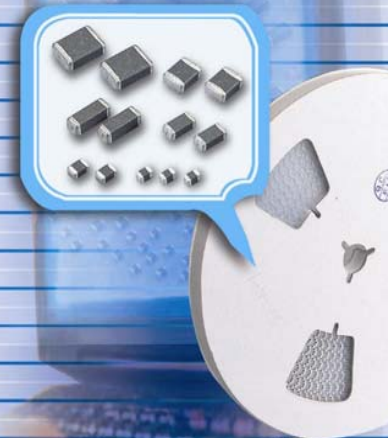
§ Wound Chip inductor & Choke

1 **100~150 kkpcs/ month**

§ Ferrite Absorber

1 **1 kkpcs/ month**

SMT Ferrite Chip Beads / Inductors



KING CORE
King Core Electronics Inc.

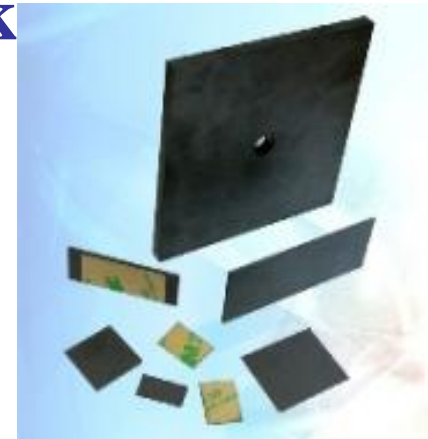
USB 2.0/IEEE1394 Chip Common Mode Choke



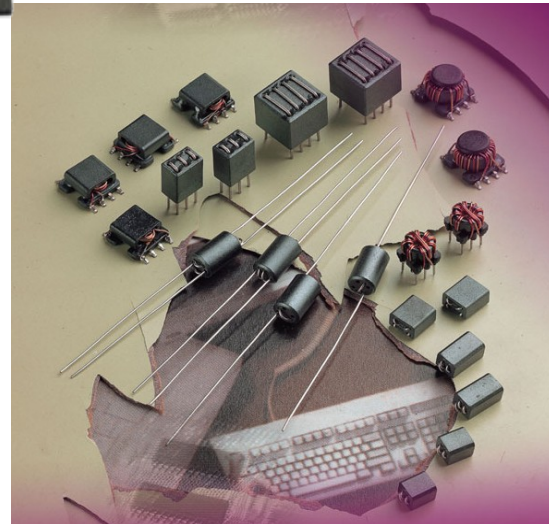
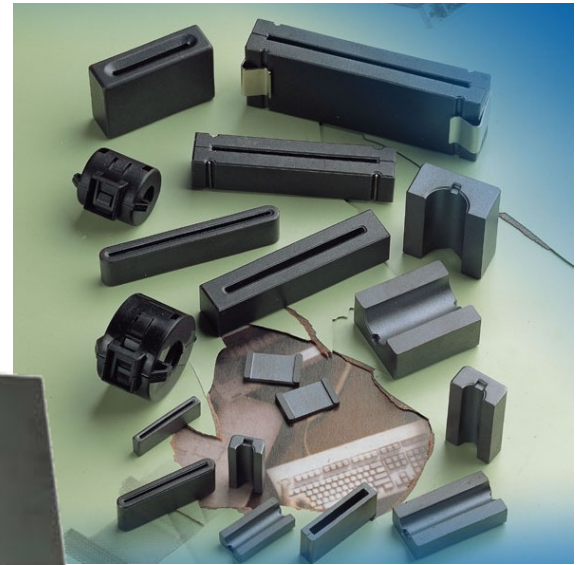
s Inc.

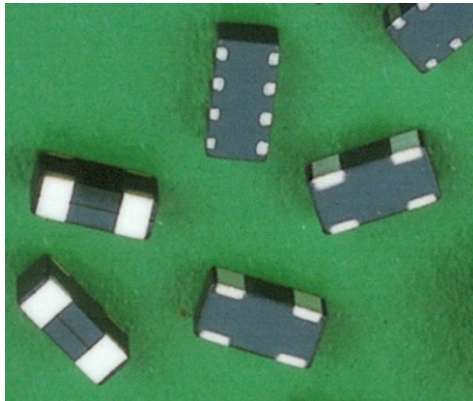
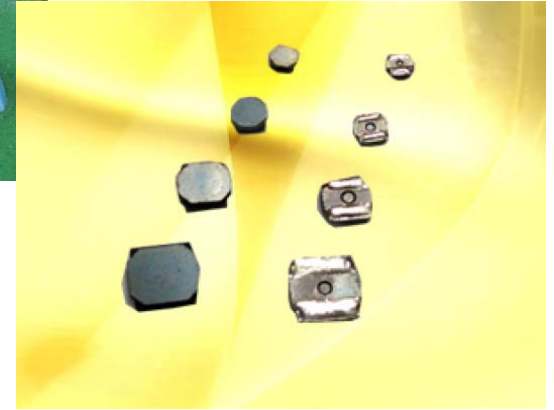
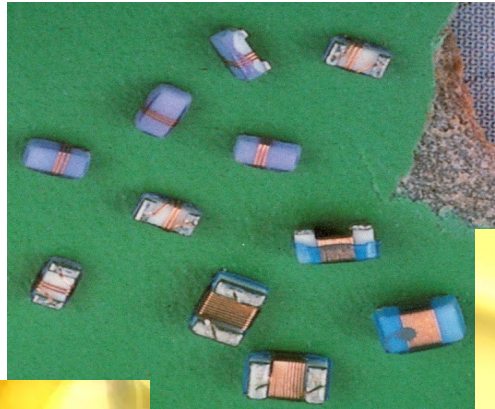
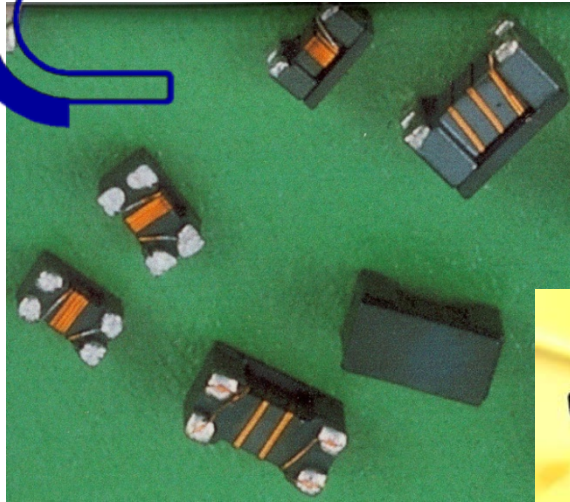
kingcore.com.tw

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5

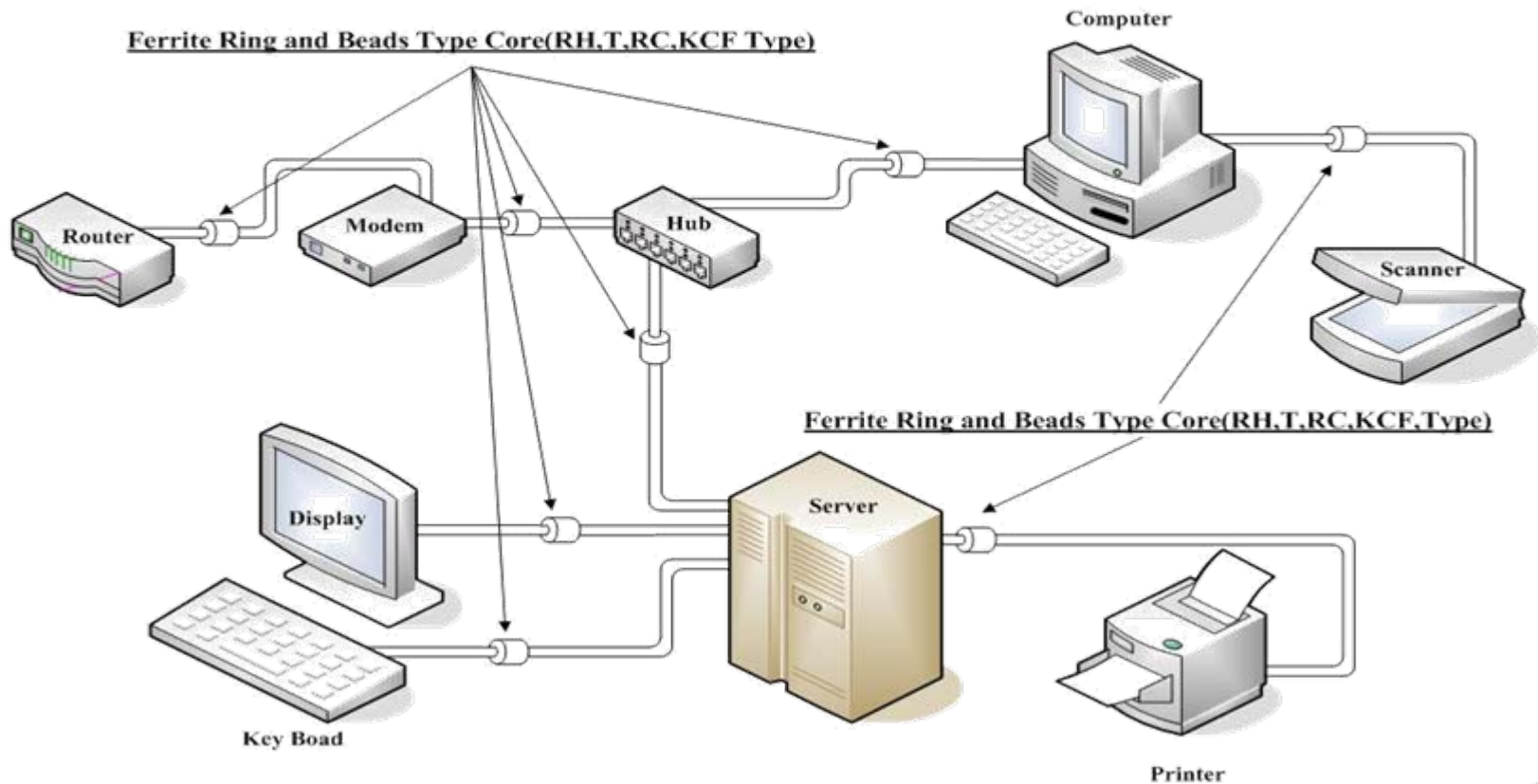






KC EMI Suppression Core Application

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

DC in 電源input之對策

可:採用FBM...A series
耐大電流 120 ohm bead

Clock Generator 之對策

可:採用FBM-10 series
10 - 70 ohm bead

Print Port介面之EMI
對策

可:採用FBM-11 series
70 - 300 ohm bead

Video out or LVDS介面之
EMI對策

可:採用FBM-10 series
30 - 120 ohm bead



IEEE 1394 or USB or LAN
介面之EMI對策

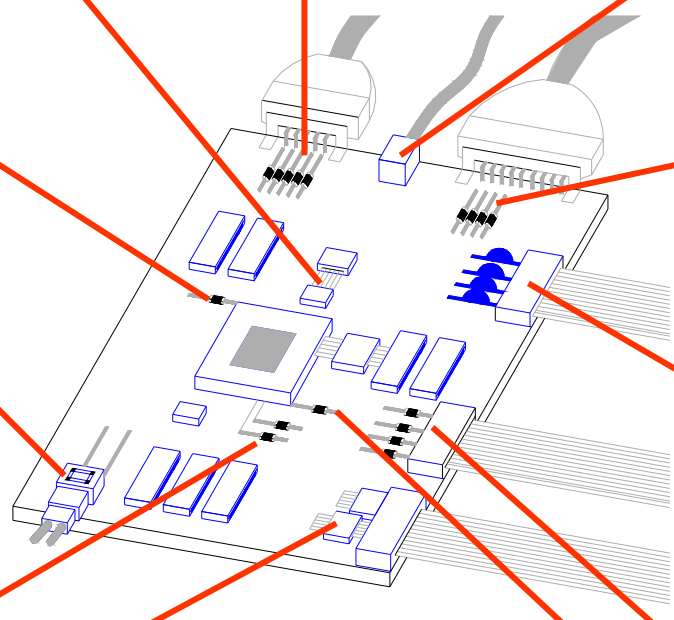
可:採用WCM series 90-
220 ohm common choke

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

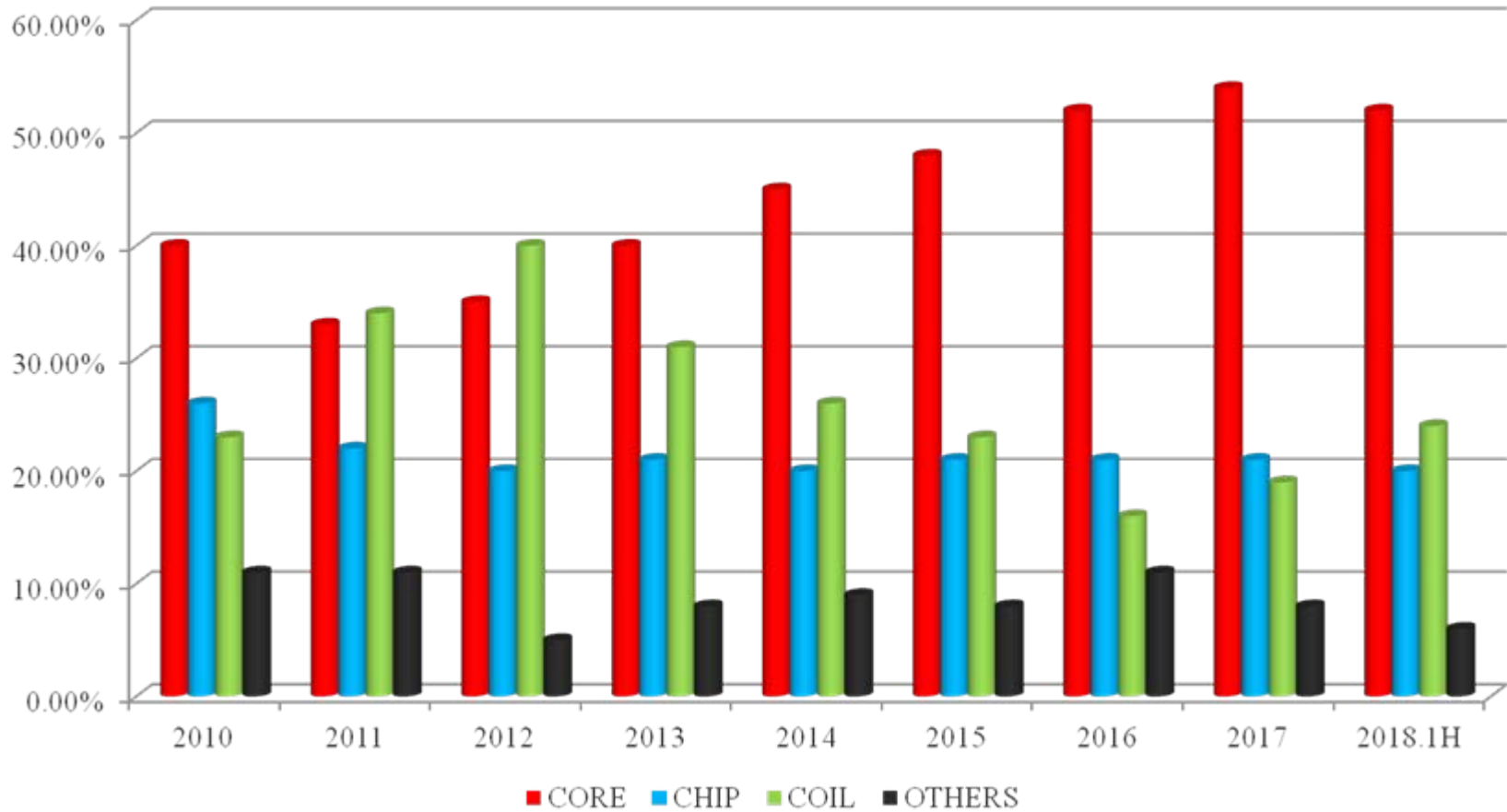
可:採用FBM-10 series
10 - 70 ohm bead



2018/8/7



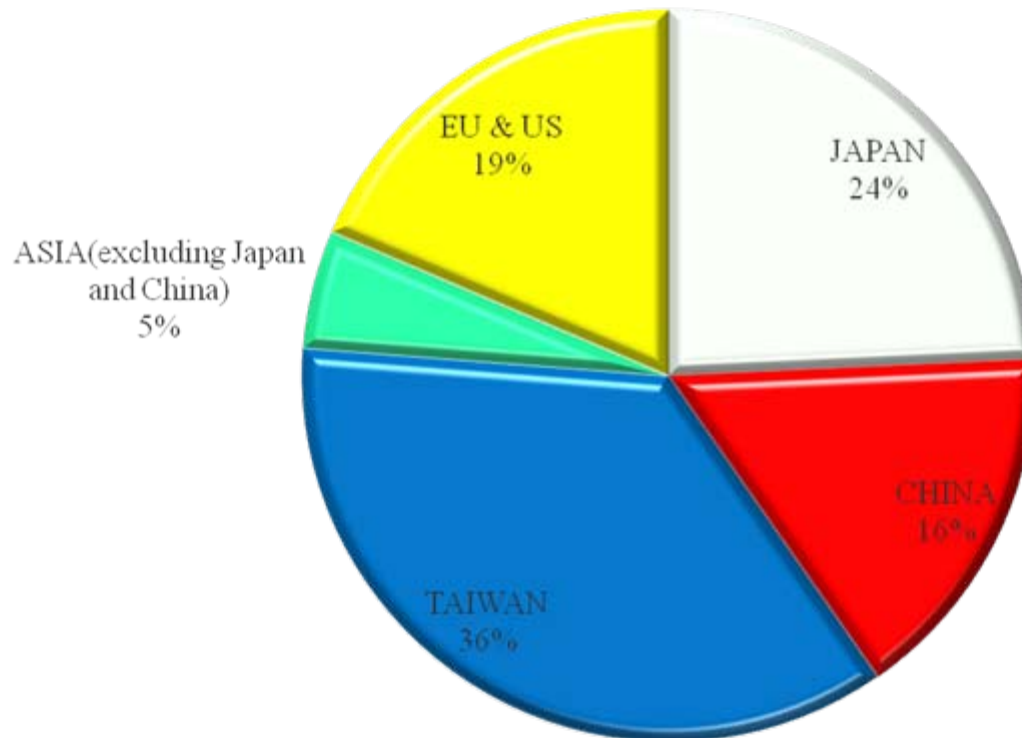
Proportion of Product Type





Proportion of Customer Area

2018.1H

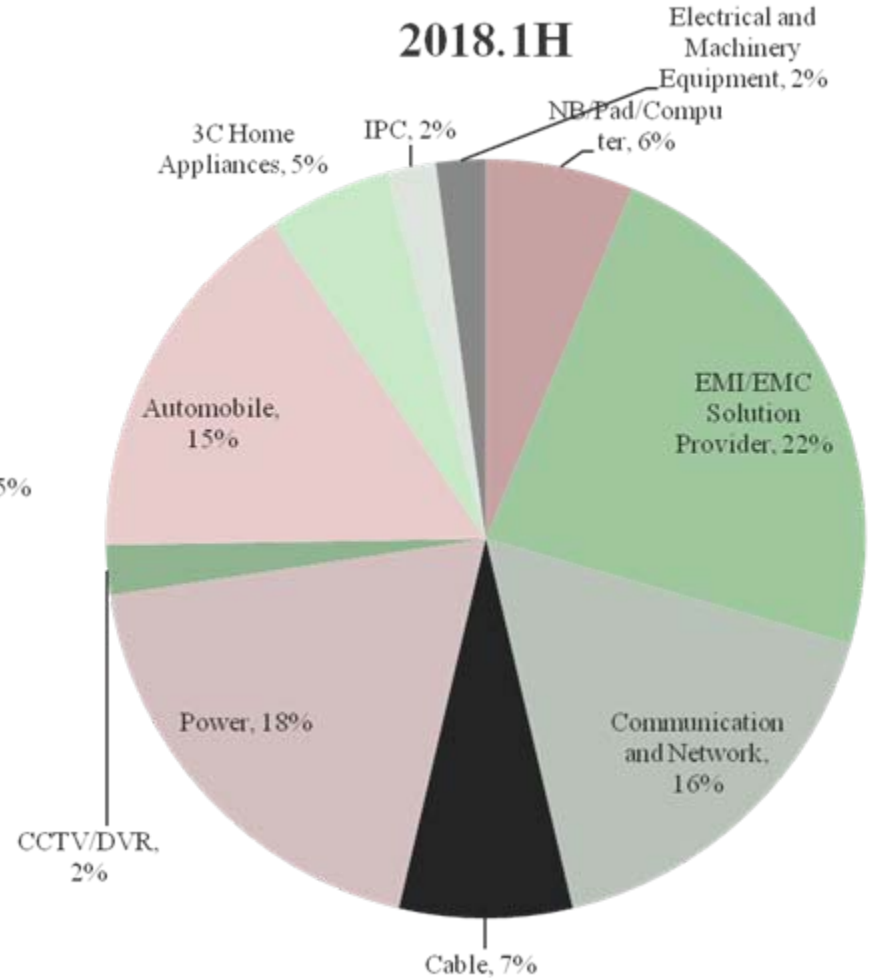
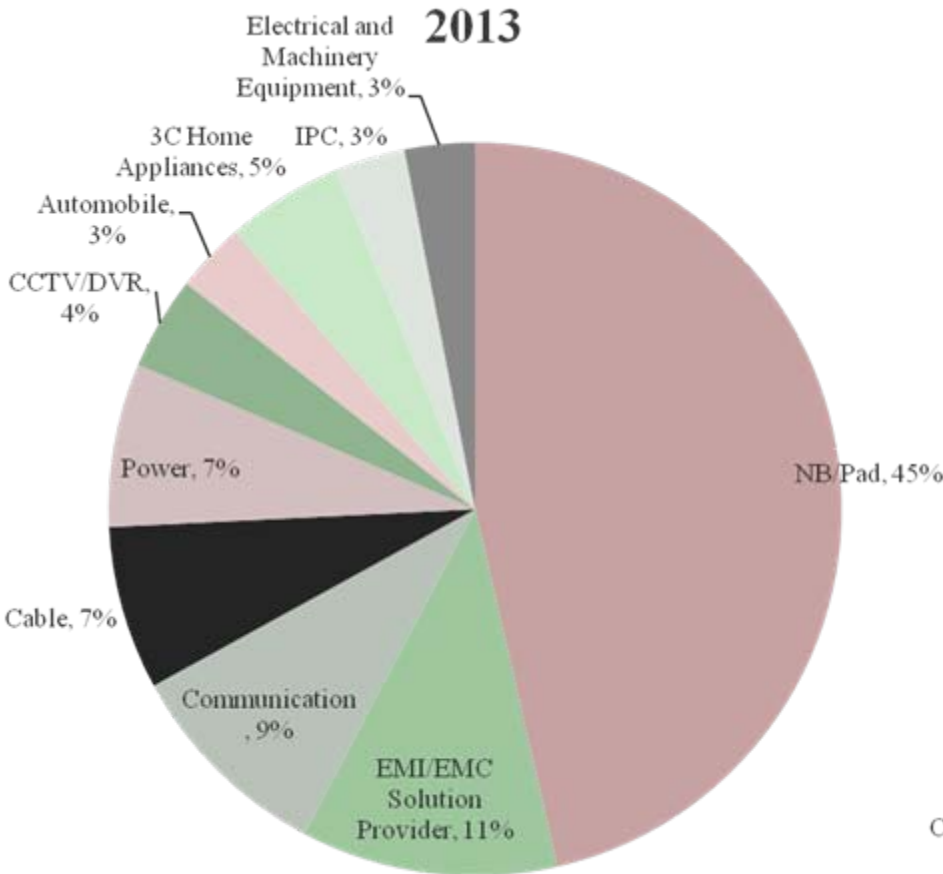


2018/8/7

11



Proportion of Customer Application

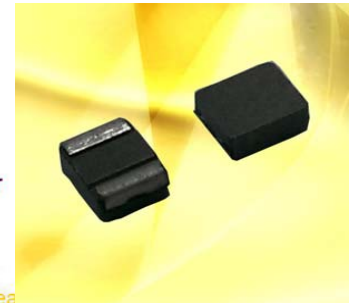
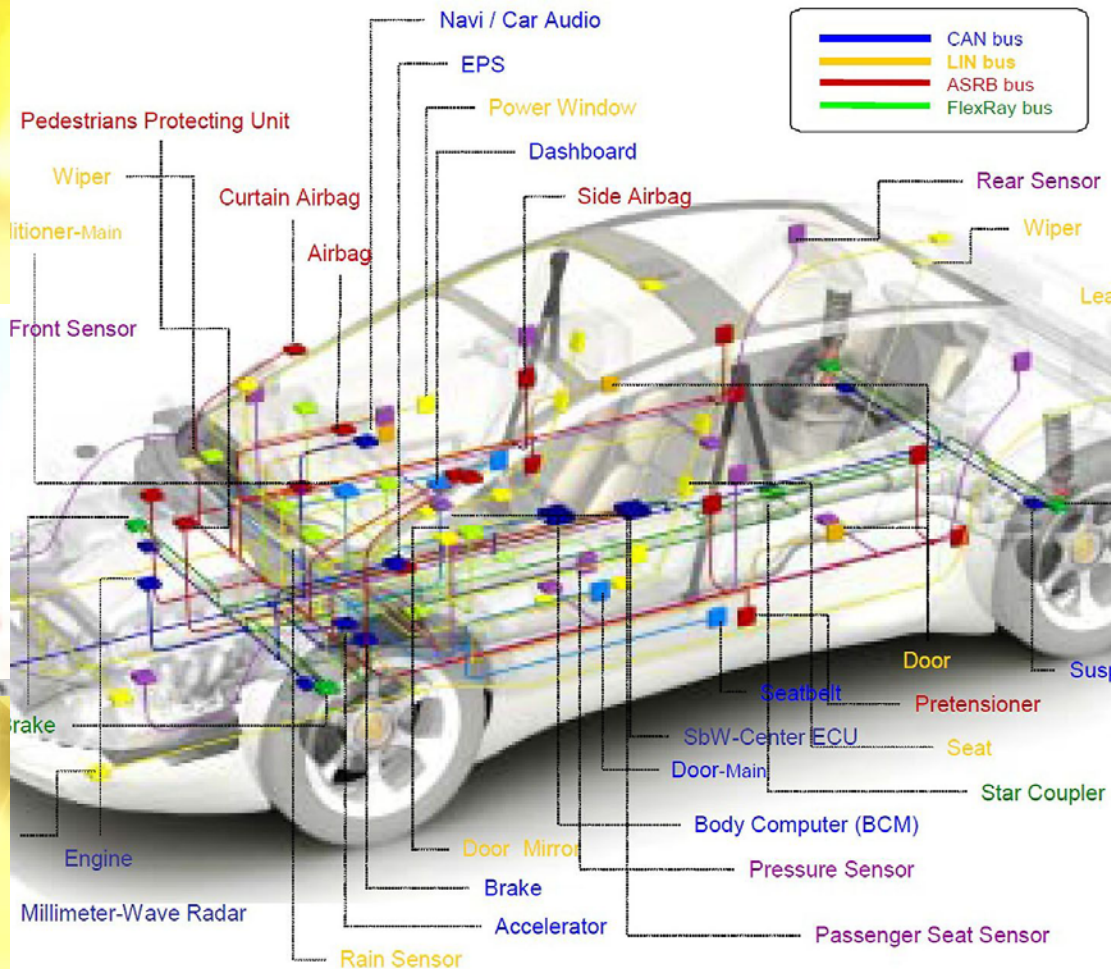
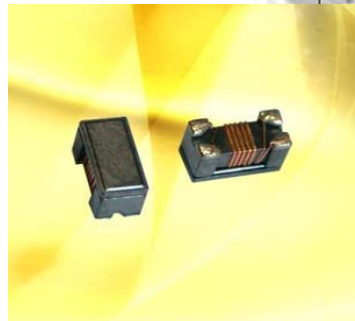
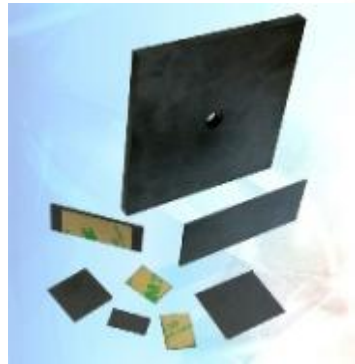


2018/8/7

12



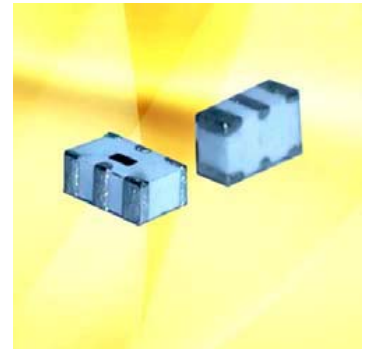
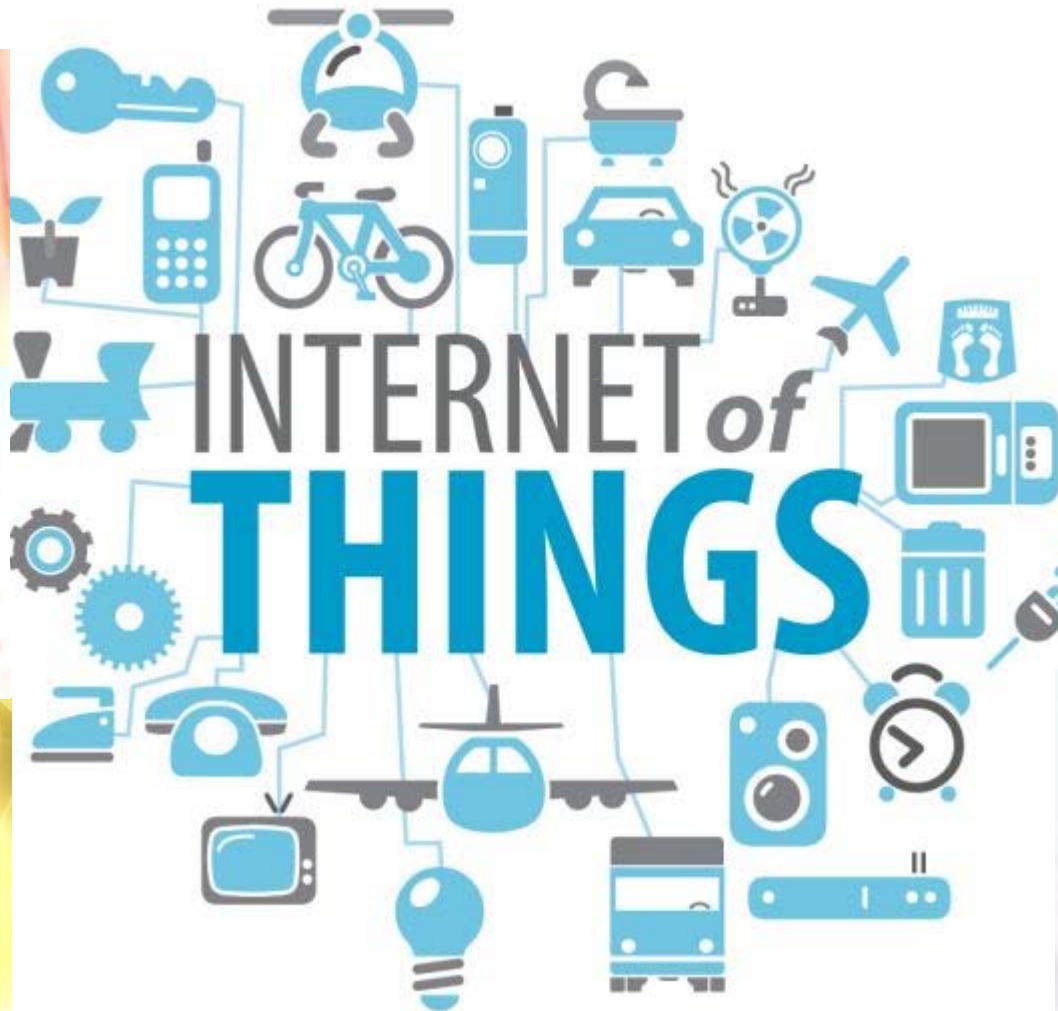
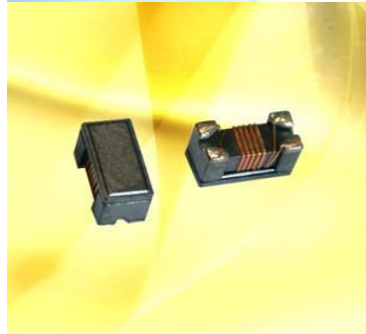
Automobile Electronics Application



2018/8/7

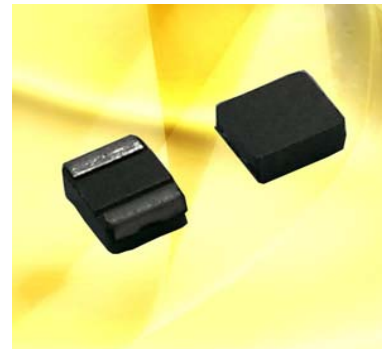
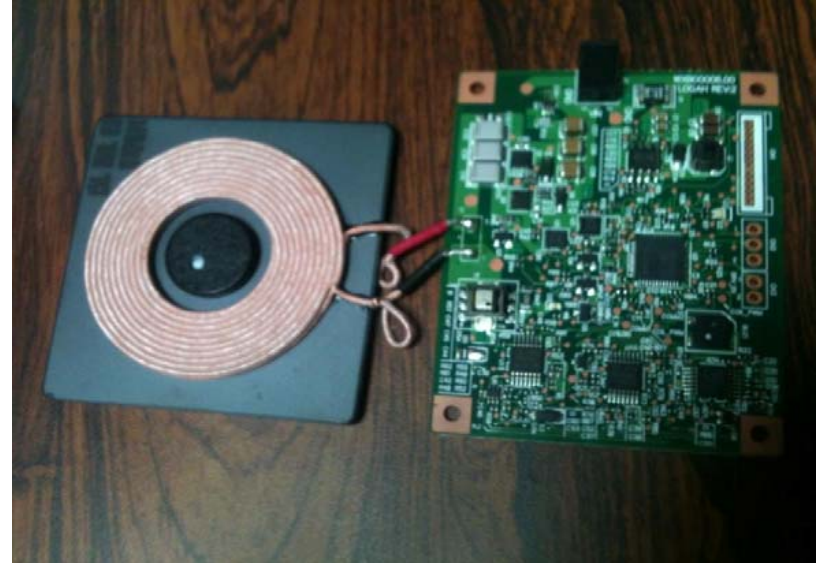
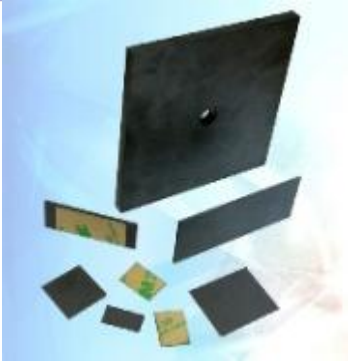


Communication and Network Application





Power Application

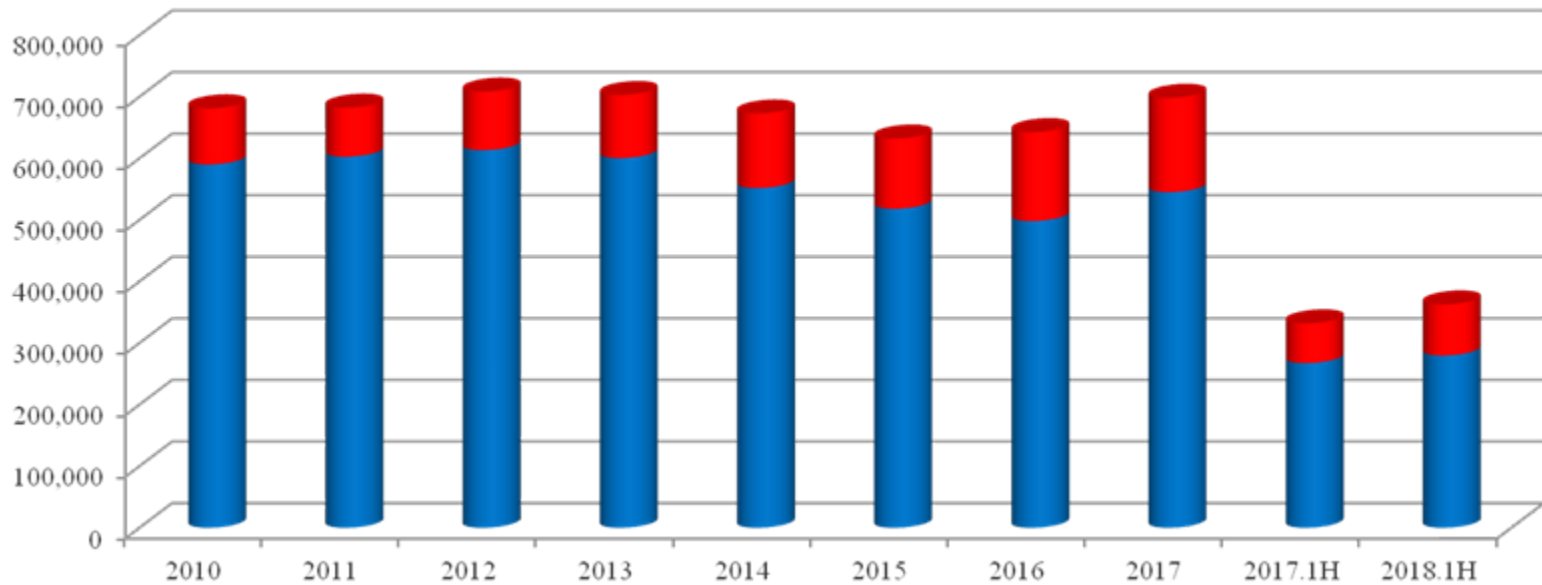




Turnover over the years

NTD : K

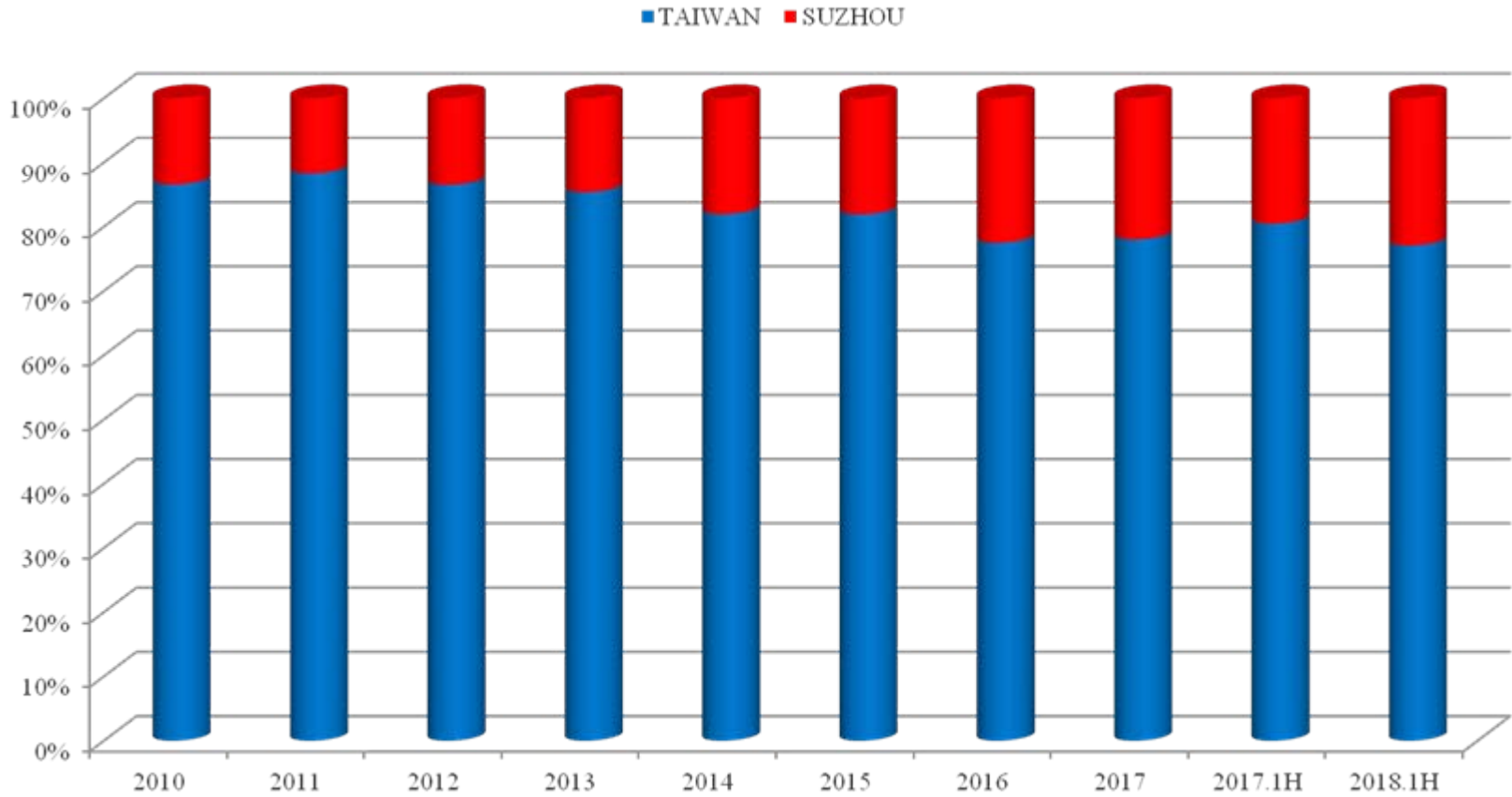
■ TAIWAN ■ SUZHOU



	2010	2011	2012	2013	2014	2015	2016	2017	2017.1H	2018.1H
Sales	681,376	682,478	708,512	703,030	673,016	632,332	642,745	698,467	332,212	362,870



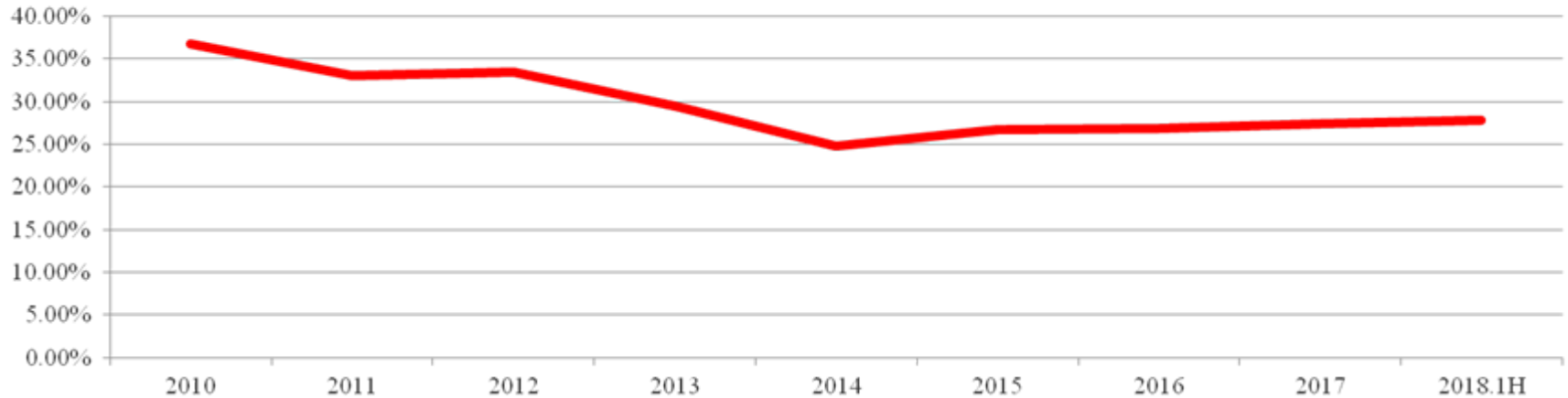
Turnover proportion in Taiwan and Suzhou





Performance

Gross Margin(%)



Unit : NTD, K

Consolidated Statement

	2010	2011	2012	2013	2014	2015	2016	2017	2018.1H
Net Revenue	681,376	682,478	708,512	703,030	673,016	632,332	642,745	698,467	362,870
Gross Profit	250,631	225,665	236,886	207,504	167,308	168,718	172,964	191,501	101,184
Gross Margin(%)	36.78%	33.07%	33.43%	29.52%	24.86%	26.68%	26.91%	27.42%	27.88%
Profit before tax	141,134	93,907	128,171	136,303	140,547	122,163	98,105	43,480	96,644
Profit for the period	121,025	70,735	113,942	120,237	121,461	104,086	82,557	42,957	80,534
ROE(%)	8.15	5.08	8.32	8.54	8.18	7.05	5.8	3.11	5.86
EPS (NT Dollar)	1.52	0.87	1.4	1.45	1.45	1.22	0.96	0.5	0.93

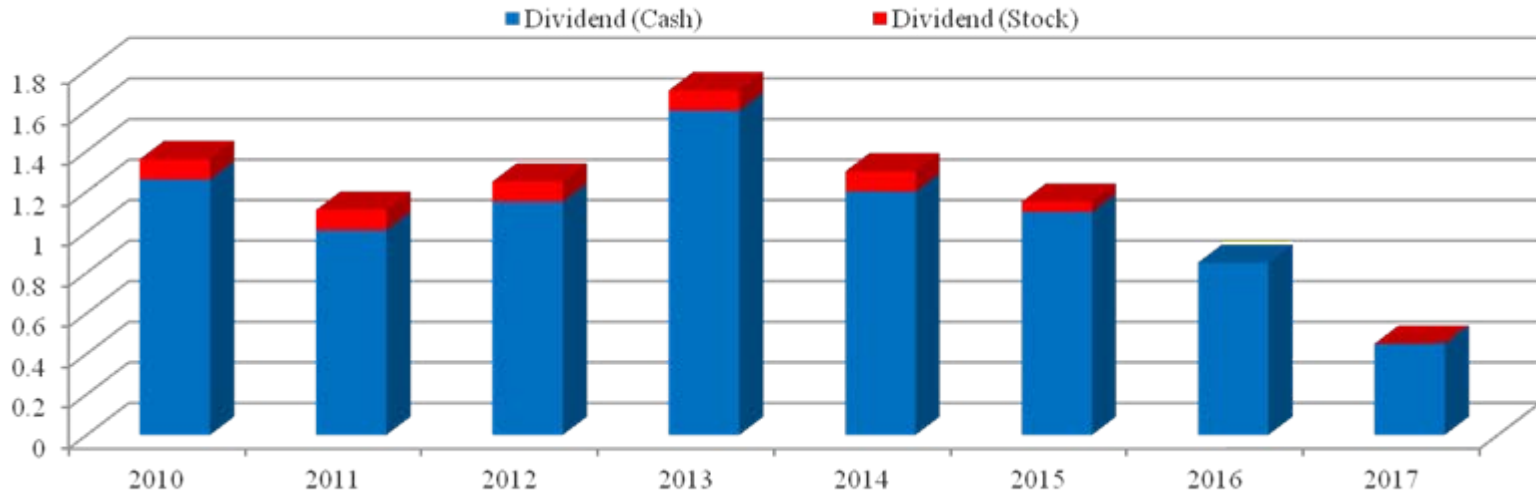
Note 1: Above financial information has been audited by CPA.

Note 2: Adopting International Financial Reporting Standards since year 2013

2018/8/7



Dividend



	2010	2011	2012	2013	2014	2015	2016	2017
Basic earnings per share (NT Dollar)	1.52	0.87	1.4	1.45	1.45	1.22	0.96	0.5
Dividend (Cash)	1.26	1.01	1.15	1.6	1.2	1.1	0.85	0.45
Dividend (Stock)	0.1	0.1	0.1	0.1	0.1	0.05	0	0
Dividend (Total)	1.36	1.11	1.25	1.7	1.3	1.15	0.85	0.45
Payment ratio	89.47%	127.59%	89.29%	117.24%	89.66%	94.26%	88.43%	90.27%

Note :Employee bonus as expenses since year 2008.



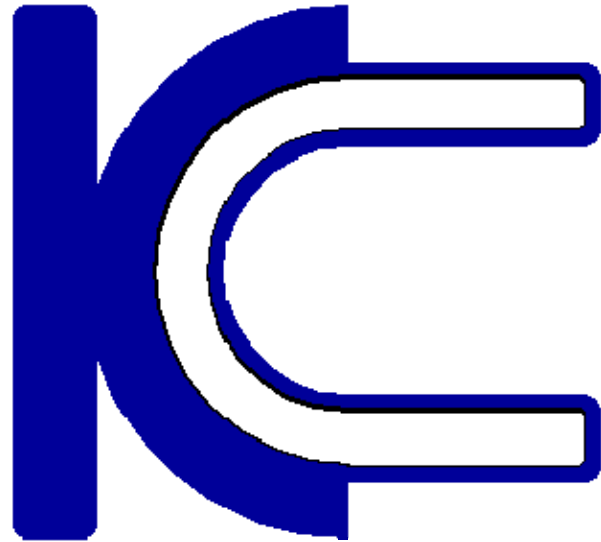
KC Product Development Roadmap

Product Target	Major Knowhow	Market Application
GHz Common Mode Filter / Choke	Precision and patent LTCC design and manufacturing	Ultra-high speed differential signal interface such as Common Mode, BPF, LPF and Diplexer
GHz impedance suppression component in Multilayer chip design and material	Material composition, inner circuit design, precision printing technique	GHz chip suppressor for EMI/RFI solution application
EMI suppression absorber ferrite material	Material composition, pressing technique, sintering technique	NFC, WPC, EMI/RFI shielding tool, EMI suppression component
Higher current multilayer chip bead	Material composition, inner circuit design, lamination & sintering technique	High current 3C product's EMI & power solution
Mini power choke	Material composition, inner circuit design, lamination & winding technique	Miniaturization 3C product's EMI & power solution

2018/8/7

20

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



Thanks for your attending