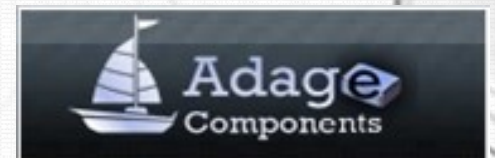


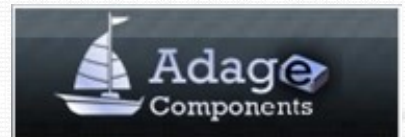
Adage's Passive Partner

2019



<http://adagecomponents.com/>

Our History



<http://adagecomponents.com/>

<ul style="list-style-type: none">·Established in Hsin Chu Science Park in October 1997.·Developing Integrated Passive Devices.	<ul style="list-style-type: none">·ISO9001/14001 TS16949 Certificated· Set up China Sales offices.Expansion : LED/Solar Ceramic Substrate Manufacturing Services.	01005 Resistor, MELF 0102, thin film Array. Expansion of Ceramic Substrate, thin/thick film Resistor.	<ul style="list-style-type: none">· Aimed Automotive Grade market, Wireless communications, and Power management market.	Extension to AR 250kkpcs , CSR 85kkpcs, LR Metal Jumper TaN thin film Green resistor VDA6.3 IATF16949				
1997	2001	2008~09	2010~12	2012-14	2015	2016/17	2018	2019
	Pilot Run and Mass Production : Thin Film Chip R, C, L Thin Film Foundry Service OEM/ODM.		<ul style="list-style-type: none">· Adage's Passive Partner America· Adage's Passive Partner public. (3624. TWO)			Automotive Grade products, Metal strip high power 3W, CN anti-sulfur, 01005 , Adage's Passive Partner	Extension AR 350kkpcs CSR 200kkpcs Automotive Thick film 1000kkpcs High power ISO13485 Medical Improvement to automotive safety parts	

Adage's Passive Partner

Standard Registration

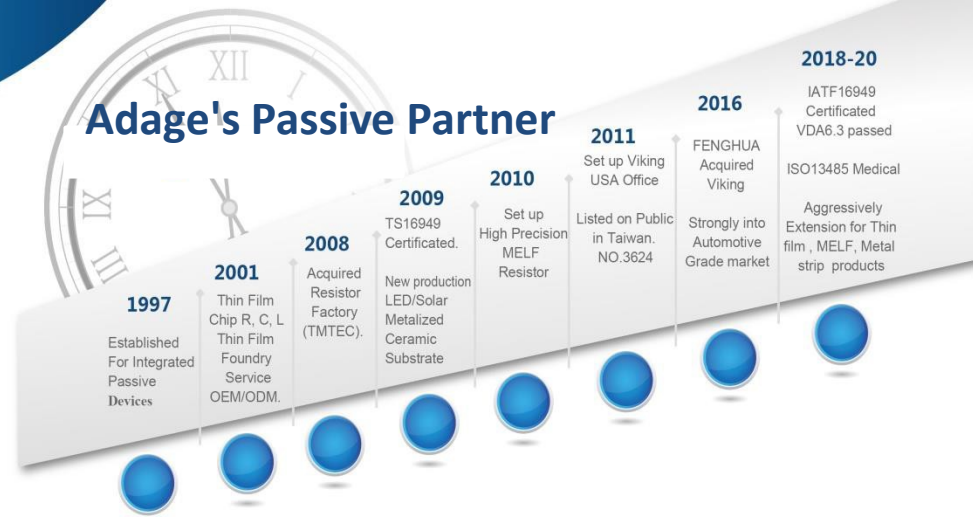
IATF16949
ISO9001
ISO14001

For more....

RoHS VDA6.3
REACH EICC



Adage's Passive Partner



Wuxi Factory



Hsinchu Headquarter



Hsin Chu Factory II, Taiwan



Office in Irvine, CA, USA



Cheng Du office

Guang Dong Factory

Dong Guan office

Beijing office

Shanghai office

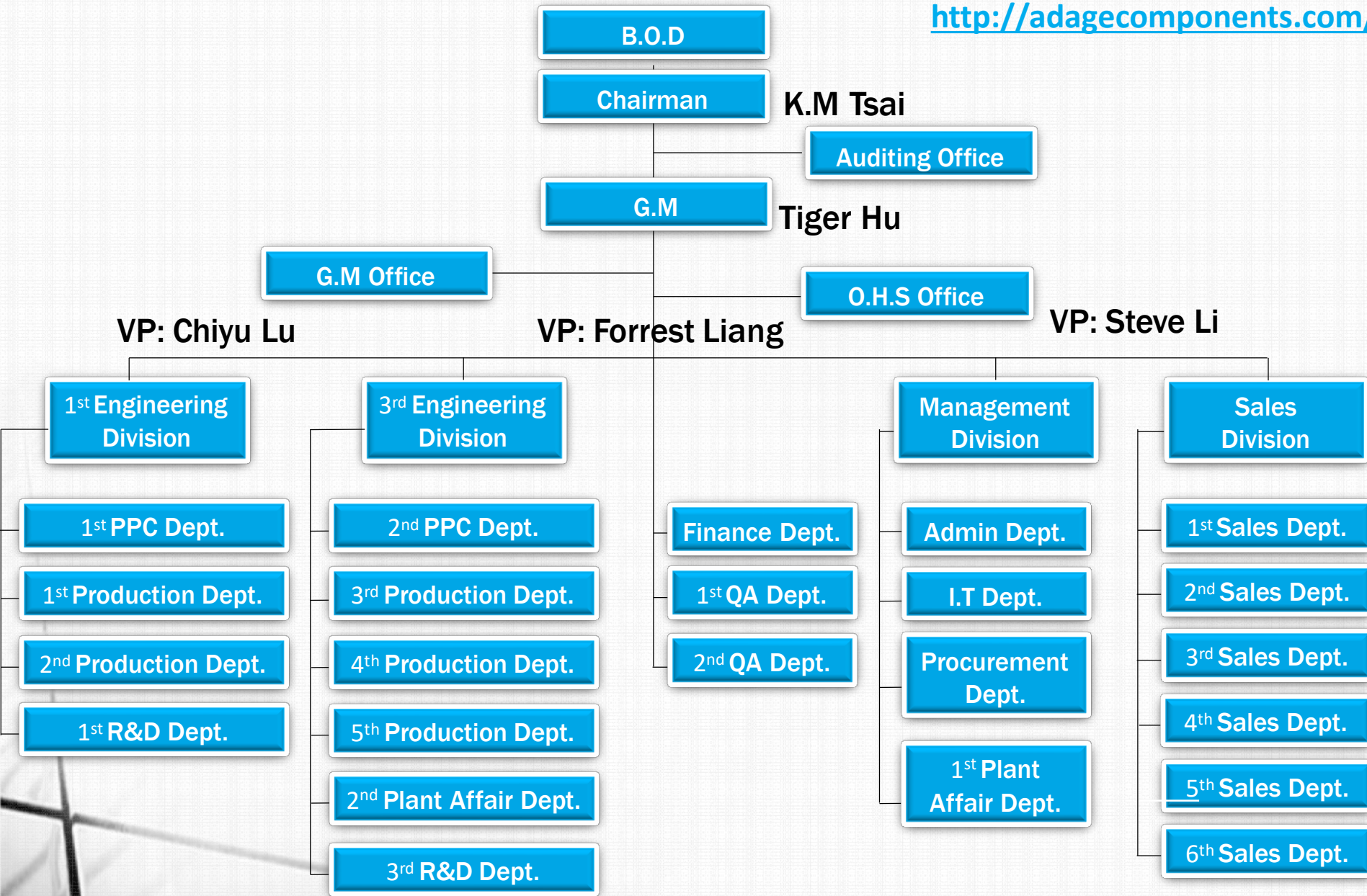
Kaoshiung Factory



Organization



<http://adagecomponents.com/>



Adage's Passive Partner



Established: 1984



Address: No.18 Fenghua Road, Zhaoqing City,



Guangdong Province

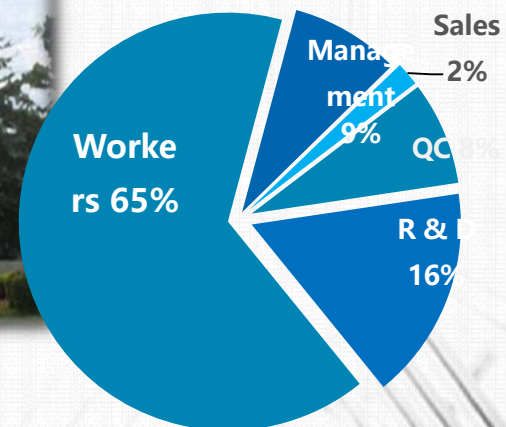


Listed on the Shenzhen Stock Exchange: 1996

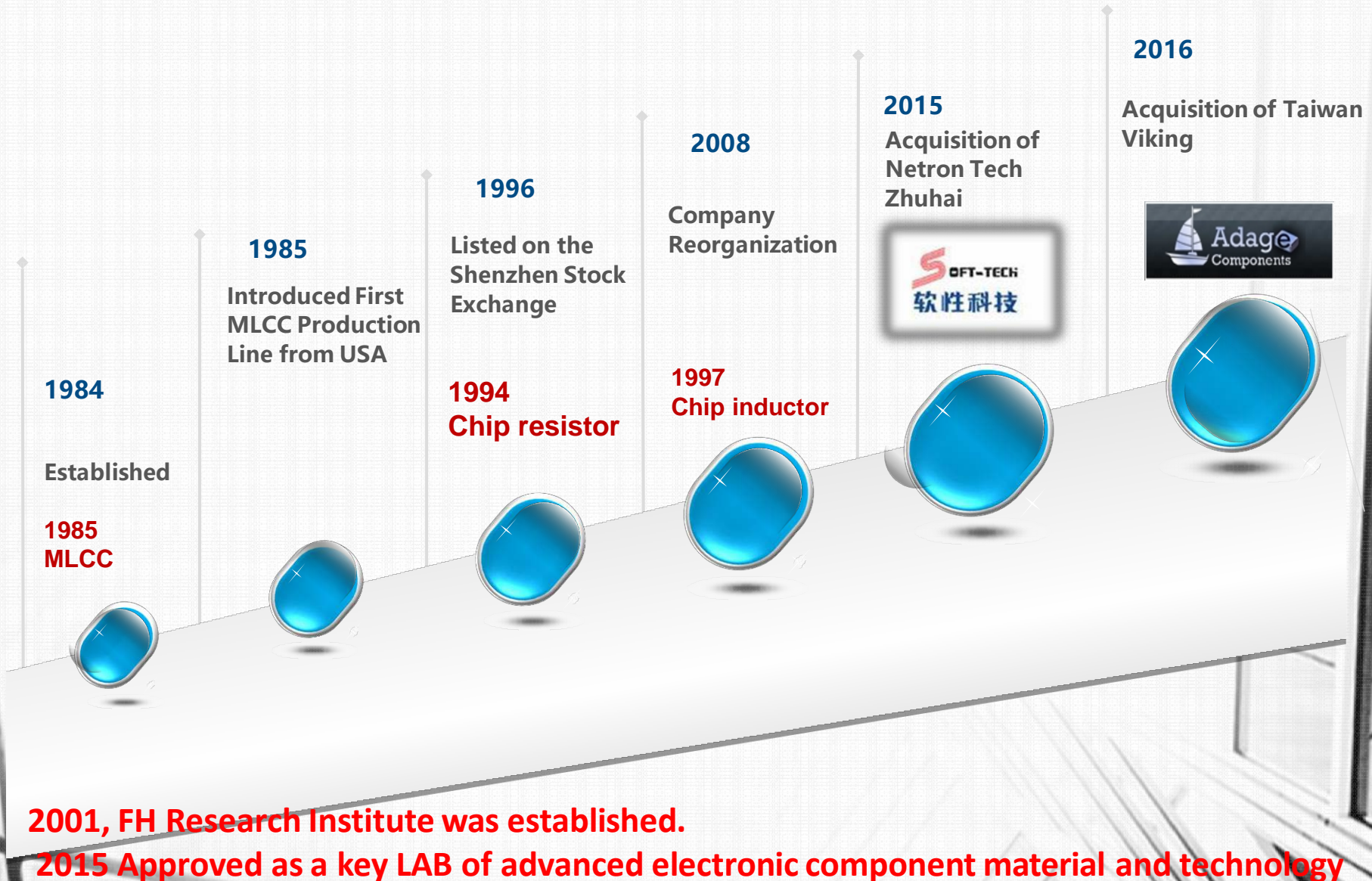


Total Assets : About USD 1 Billion

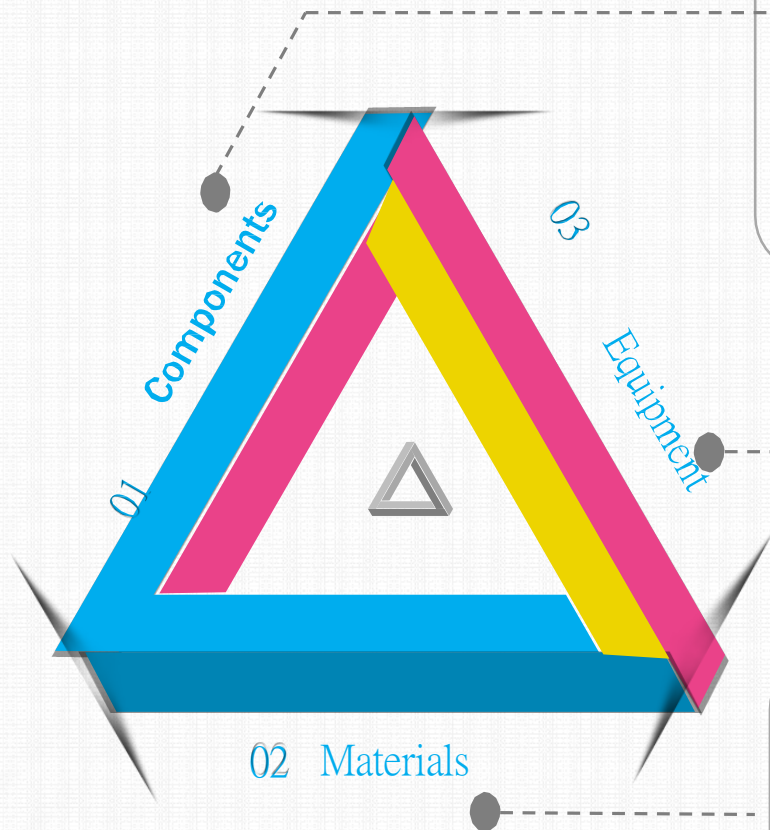
Total Employees : 6,915



Company Development History



Industrial System



Components

MLCC
Resistor
Inductor

Sensitive Components
Semi-conductor
Soft Ferrite

Equipments

Laser Trimming Machine
Casting Machine
Printing Machine
Isostatic Press Machine
Electronic Kiln

Materials

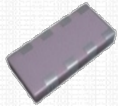
Pd/Ag powders
Dielectric Ceramic Materials
Electronic Paste
Basic Chemical Materials

Focusing on components, materials and special equipment, FH has formed the featured "three in one" industrial system in China.

Product Family



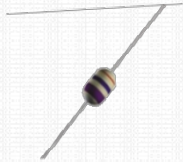
MLCC



Chip C-Arrays



Three Terminal EMI Filter



Axial Color Code MLCC



Radial Leads MLCC



Axial Leads MLCC



Y-Cap



Leads Network Capacitor



Al E-Cap



SMD Al E-Cap



Solid Al C-Cap



Super Capacitor



Thick Film Resistor



Resistor Array



Thin Film Resistor



Metal Strip Resistor



Leads Resistor Array



High Voltage Resistor



Chip Varistor



Ring Varistor



MOV



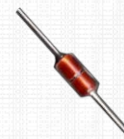
Chip NTC



NTC Thermistor



AT Type NTC



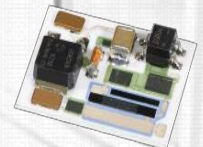
Glass Sealed Thermistor



Temperature Sensor

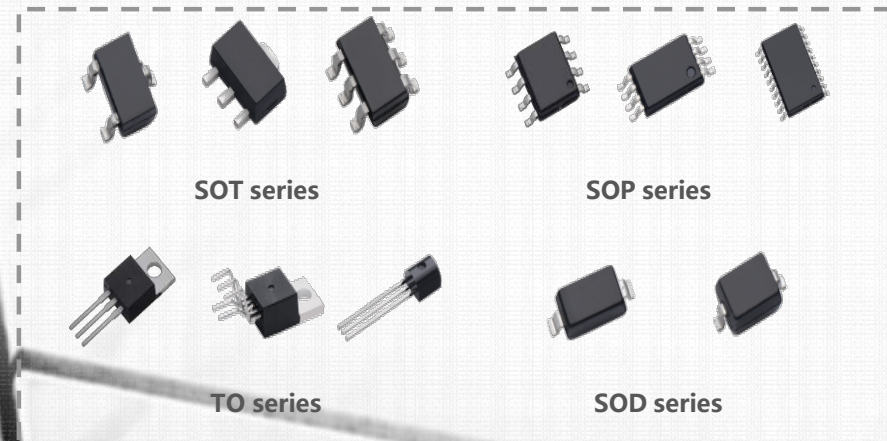
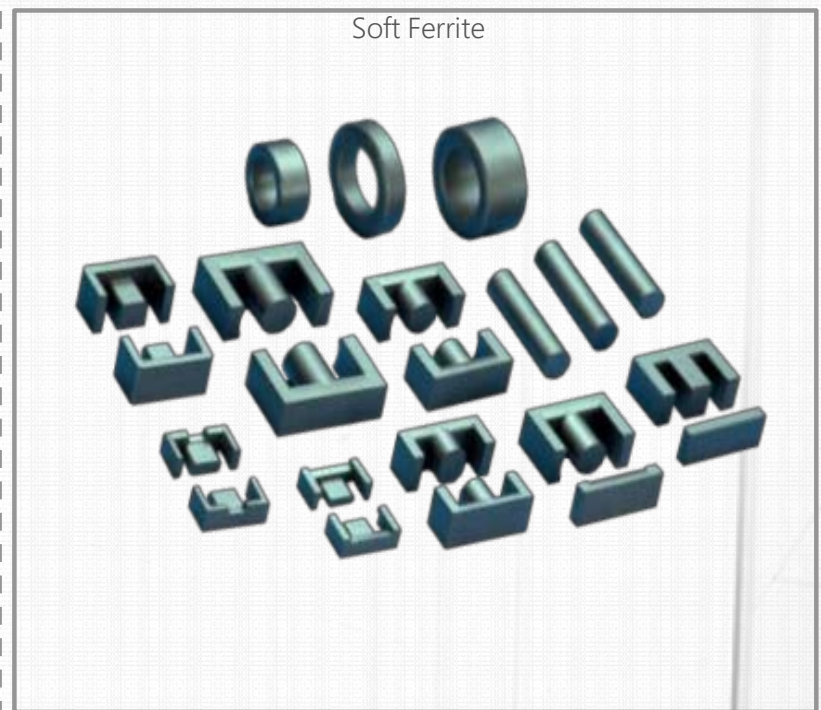
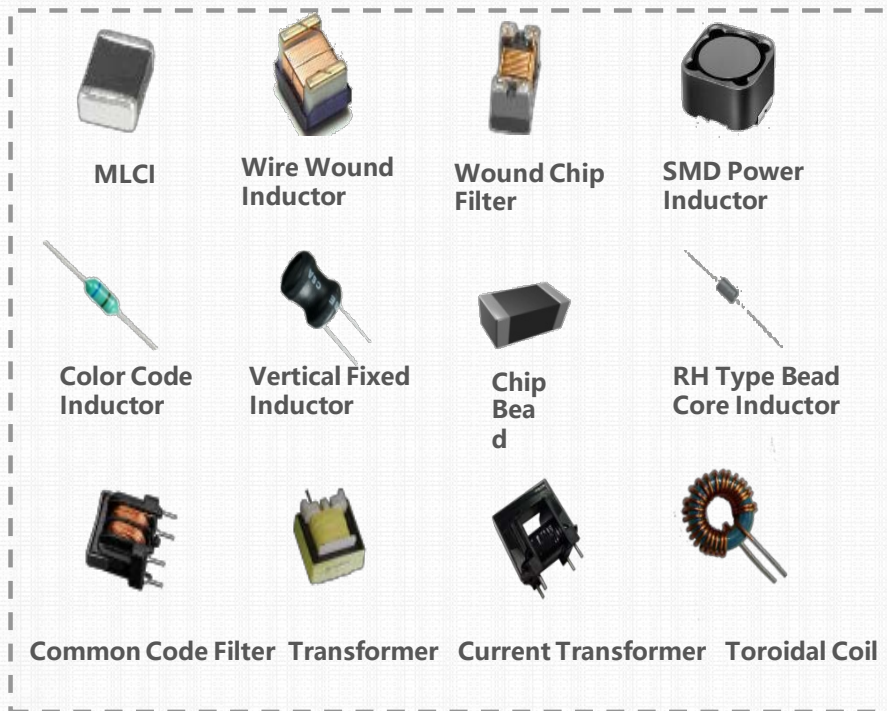


PTC Thermistor



Thick Film Circuit

Product Family



Adage's Passive Partner

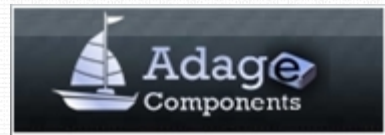
Capabilities 01005 ~ 1812

Dimensions	capacity	%
01005	1.2 billion	0.8%
0201	6 billion	33.3%
0402	6 billion	33.3%
0603	2.4 billion	13.3%
0805	2.04 billion	11.3%
1206 & others	1.44 billion	8%
Total	18 billion	100%

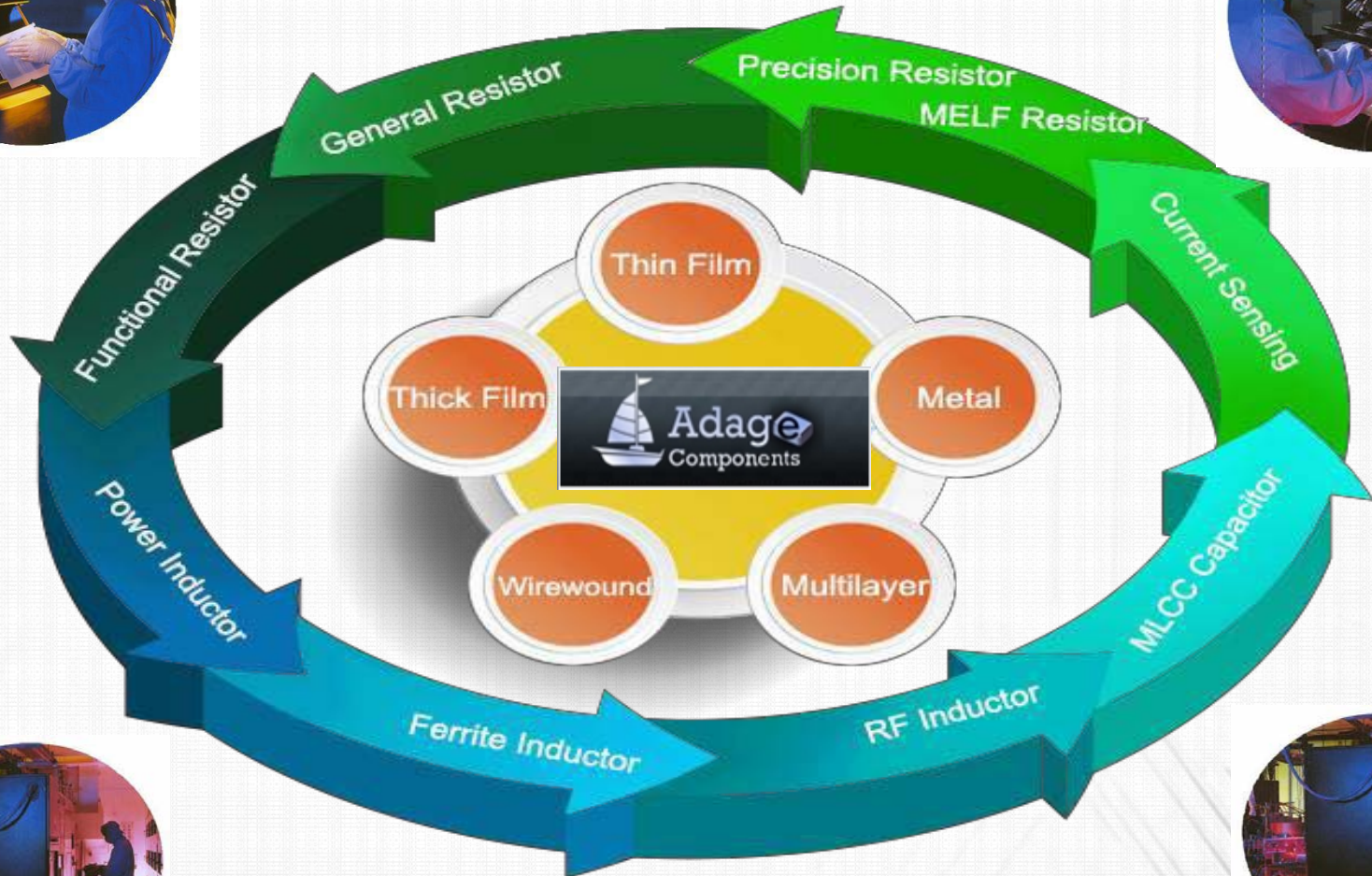
Chip Resistor 45B/Month

MLCC current capacity is
18B/Month , will extend
to 30B in 2 years.

Adage's Passive Partner



<http://adagecomponents.com/>

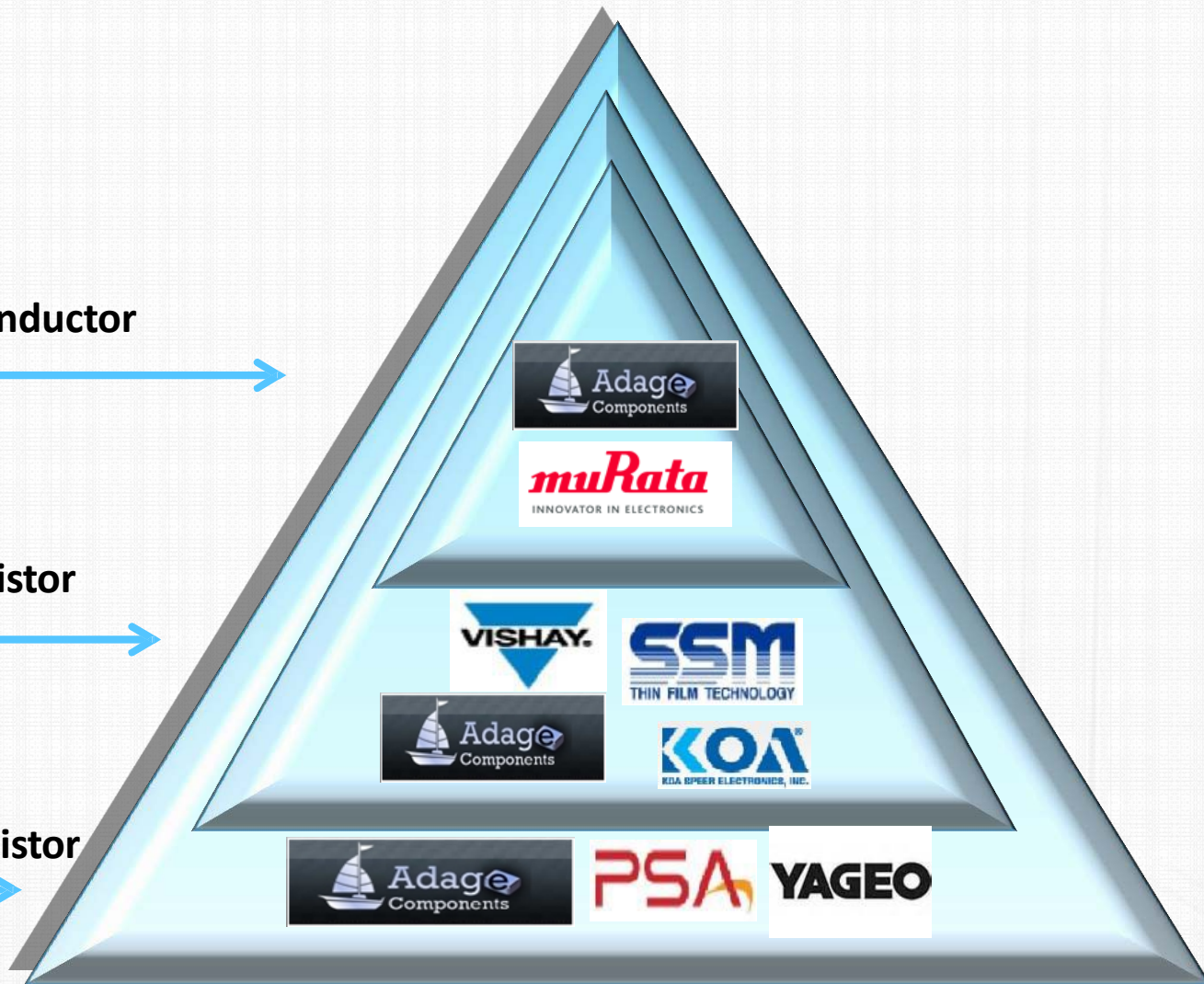


Market Position

Thin film RF Inductor

Thin Film Resistor

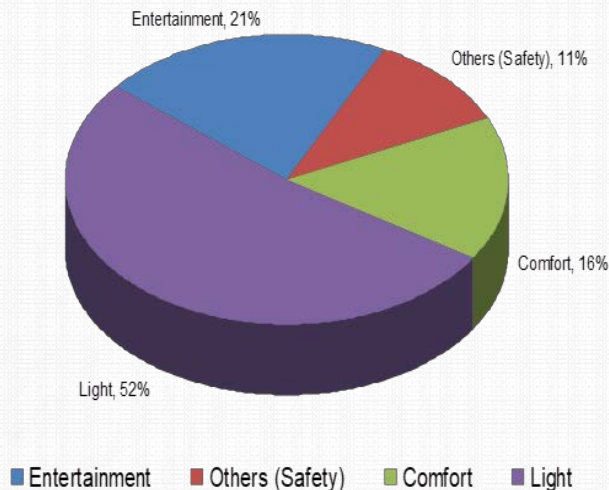
Thick Film Resistor



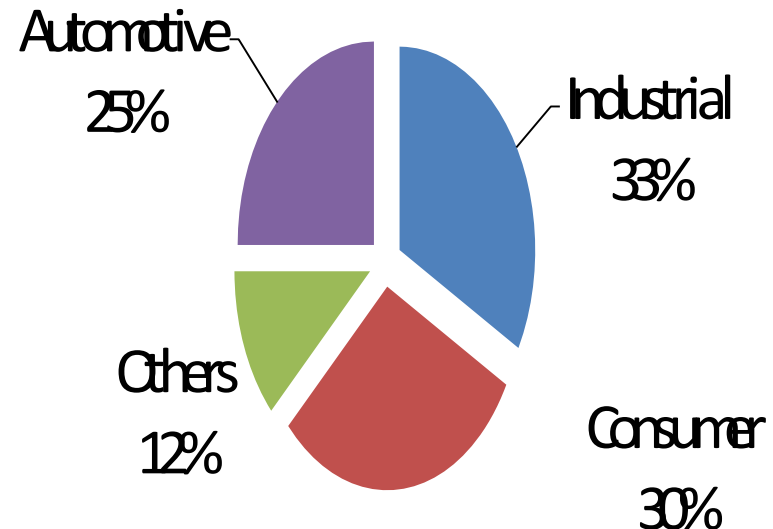
Product Application Distribution

<http://adagecomponents.com/>

Customers :
Hella, LG , Bosch,
Infinex, GM (BOIT),
some domestic
China companies...



By End Market



Industrial : Test Measurement equipment ,Energy ,Power and Controller.

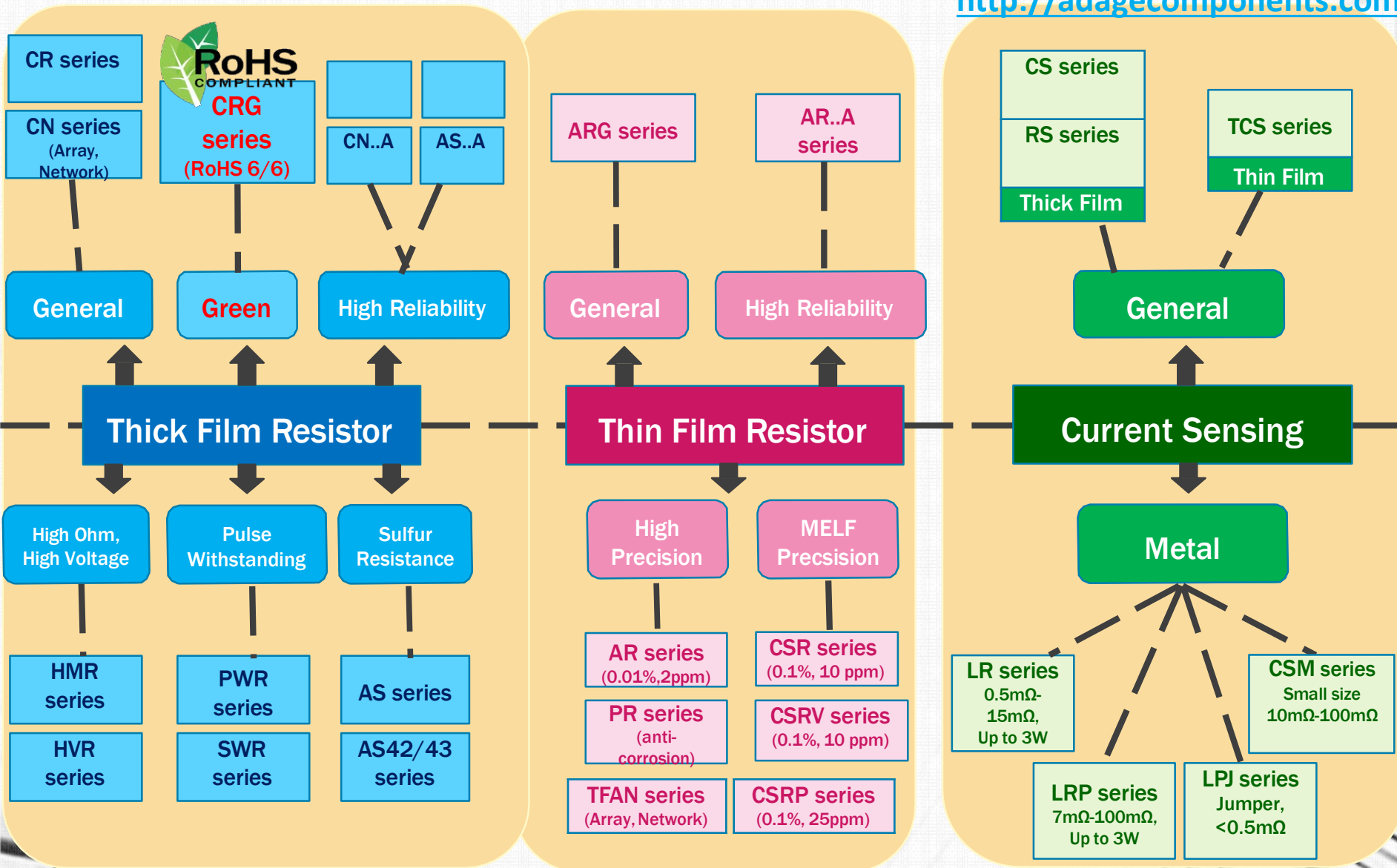
Consumer : Tablet PC, Personal Devices, Smart life,

Automotive : Lights ,Car Entertainments, Car Key. ...

Others (Aerospace / Military /Medical) : Communication system , Satellite,
Personal Health Care.

Product portfolio- Chip Resistor

<http://adagecomponents.com/>



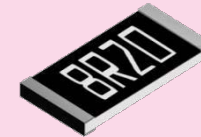
Thin Film Chip Resistor –**ARG/AR/PR**

ARG –General purpose

AR- High Precision

PR-Anti-Corrosive

AR..A- Automotive Grade



■ Features

- Tight tolerance down to **±0.01%**
- Extremely low TCR down to **±1,2,3,5 PPM/°C**
- Miniature size **0201** available
- **High power is available**



■ Applications

- Medical Equipment
- Testing / Measurement Equipment
- Printer Equipment, Automatic Equipment Controller
- Communication Device, Cell phone, GPS, PDA

	Standard	Higher Power Rating
Size	0201~ 2512	0603~2512
Power rating @ 70°C	1/32W~ 1/2W	1/10W~ 1W
Tolerance	±0.01% ~±1%	
TCR (PPM/°C)	TCR1/2/3/5~ TCR50	
Resistance Range	1Ω~ 3MΩ	4.7Ω~ 1MΩ

AEC-Q200 Compliance
Anti-sulfur

Current Sensing Chip Resistor

CS

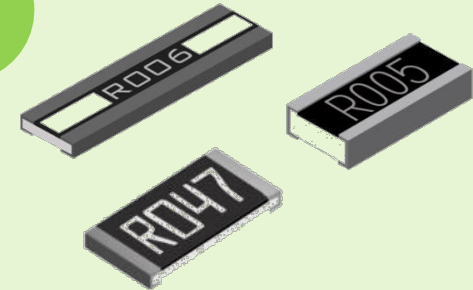
■ Features

- Low TCR of ± 100 PPM/ $^{\circ}$ C
- High Power rating : 3720 (1W), 7520 (2W), 2512 (2W) , 1225 (3W)
- Long side terminations with higher power rating
- Resistance Values : 1m to 1 Ohm
- Available size: 0201~2512, 1225, 0612, 3720, 7520

~CS 1206 10m-100mohm 1W

■ Applications

- Cellular Phone, PDA, DSC
- SWPS (DC-DC converter, Charger, Adaptor)
- Monitor / NB (For power management)



CS1206	1W	10A	10-27mohm	TCR400
			30-100mohm	TCR200



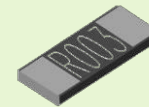
Thick Film Resistor CR –Long Termination

CR-25 (1225)	2W	-55 ~ +155 $^{\circ}$ C	200V	400V	10 Ω – 20K Ω	± 100
	Jumper: 10A				0 Ω (<20m Ω)	-
CR-62 (0612)	0.75W	-55 ~ +155 $^{\circ}$ C	200V	400V	1 Ω ~1M Ω	± 100

Metal Strip (Ultra Low Ohm) LR/ LRP

■ Features

- LR2512 up to **3 Watts 0.5-2mohm**
- LRP Resistance 3m Ohm - 200 m Ohm



Black Coating
Wave or IR Reflow Soldering



Green Coating
IR Reflow Soldering Only

■ Applications

- LCD Monitor (For Power Management)
- SWPS (DC-DC Converter, Charger, Adaptor ,Battery.

■ Dimensions

- Size : 0805,1206, 2010, 2512

LRP AEC-Q200

Viking	LR (Black)	LR (Black)	LR (G)	LRP
Resistance	0.5-10m	0.5m-2m	0.5m-15m	3m-200m
Power	1,2W	3W	1~3W	1W, 2W, 3W
TC	50-100	50	75-200	50-75

Metal Strip (Ultra Low Ohm) LRJ

■ Features

- **LRJ Ultra low ohm jumper, <0.5mOhm**
- 1206 40A, 2010 67A

We will add 0805/0603 about Q2,2018

■ Applications

- NB, Mobil Device, Server, Power Management
- Automotive.

■ Dimensions

- Size :1206/2010

LRJ0402	<0.5mohm	20A
LRJ1206	<0.2mohm	50A
LRJ2010	<0.5mohm	71A

Size	Viking	Vishay	ROHM
1206	LRJ06-T-R0R0	WSL1206...9	PMR18EZPJ000
2010	LRJ10-T-R0R0	WSL2010.....9	PMR50HZPJ0000

Metal Foil (Low Ohm) CSM

■ Features

- Small size to 0603
- Resistance 10m Ohm - 100 m Ohm

■ Applications

- LCD Monitor (For Power Management)
- SWPS (DC-DC Converter, Charger, Adaptor ,Battery.

■ Dimensions

- Size : 0603,0805,1206, 2010, 2512



Product	Power	Resistance	TCR
CSM0603	1/8W	10-100mohm	100ppm
CSM0805	1/4W	10-100mohm	50-100ppm
CSM1206	1/2W	10-100mohm	50-100ppm
CSM2010	3/4W	10-100mohm	50-100ppm
CSM2512	1W	10-100mohm	50-100ppm

Metal Foil (Low Ohm) MF

■ Features

- Low TCR down to +/- 50/100 ppm/C
- High Power Dissipation up to 1W
- Resistance values from 3m Ohm -100 m Ohm

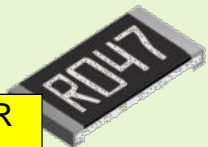
■ Applications

- Power Management
- SWPS (DC-DC Converter, Charger, Adaptor ,Battery)

■ Dimensions

- Size :0603,0805, 1206, 2010, 2512

Size	Power	Resistance	TCR
0603	1/2W	3m-30m	TCR 50/100
0805	1/2W,3/4W	3m-36m	
1206	1/2w,1W	3m-56m	
2010	1W	3m-100m	
2512	1W,2W	3m-100m	



Product portfolio

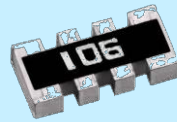


<http://adagecomponents.com/>

Array Chip Resistor- **CN series** **CN21&41 series**

■ Features

- 0201/ 0402/0603 8P4R,4P2R
- Concave, Convex, Flat
- 5%, 1%



■ Applications

- Entertainment, Computer
- Communication /Power equipment
- LCD module

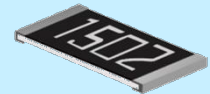
Anti-Sulfur Resistor- **AS series** **AS..A series**

■ Features

- Special construction to prevent **from** Sulfuration in a sulfur containing environment

■ Applications

- Automotive
- Industrial / Medical Equipment
- Automatic Equipment Controller



AEC-Q200 Compliance

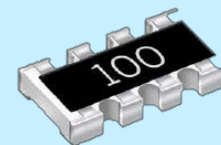
Anti-Sulfur Array Chip Resistor- **AS 42&43 series** **AS 21&41 series**

■ Features

- Reduction of assembly cost and matching with placement machines
- Reliability, high quality
- Suitable for both IR reflow soldering and wave soldering

■ Applications

- High-end Computer
- Industrial/Automatic Equipment Controller
- Medical Equipment
- Outdoor Electronic Applications



New

Chip resistor



<http://adagecomponents.com/>

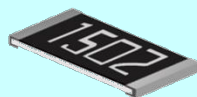
Pulse Withstanding Resistor **PWR/SWR**

■ Features

- Tolerance from to $\pm 0.5\% \sim 5\%$
- High power rating
- Excellent pulse & surge withstanding performance
- Improved working voltage ratings

■ Applications

- Metering(Testing/Measurement)
- Medical devices
- Automotive



High power is available

Item	Power Rating at 70°C	Resistance Range	TCR (PPM/°C)
Type		$\pm 0.1\% \sim \pm 1\%$	
0402	1/5W	10Ω-20MΩ	100ppm
0603	1/4W		
0805	2/5W		
1206	1/3W		
1210	1/2W		
2010	3/4W		
2512	1.5W		200ppm

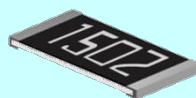
High Voltage Chip Resistor **HVR**

■ Features

- Highly reliable multilayer electrode construction
- Higher component and equipment reliability
- Excellent performance at high voltage
- Reduced size of final equipment

■ Applications

- Inverter
- Outdoor Equipments
- Converter
- Automotive Industry
- High Pulse Equipment



Item	Power Rating at 70°C Max Overload	Resistance Range
Type		$\pm 1\%, \pm 5\%$
0402	200V	30KΩ-100MΩ TCR100~400ppm
0603	400V	
0805	800V	
1206	1000V	
2010	3000V	
2512	4000V	

Chip resistor

General Chip Resistor **CR, HMR**

<http://adagecomponents.com/>

■ Features

- Tolerance from to $\pm 0.1\% \sim 5\%$
- High power rating
- Excellent pulse & surge withstanding performance
- Improved working voltage ratings

■ Applications

- Metering(Testing/M Measurement)
- Medical devices
- Automotive



High power / High Ohm/Low TC 50ppm

Item	Power Rating at 70°C	Resistance Range	TCR (PPM/°C)
Type		$\pm 0.1\% \sim \pm 1\%$	
01005	1/32W	1Ω-100MΩ	50ppm
0201	1/20W	110-1Gohm	100ppm
0402	1/8W		
0603	1/4W		
0805	1/3W		
1206	1/2W		200ppm
1210	1/2W		
2010	1W		
2512	2W		

New

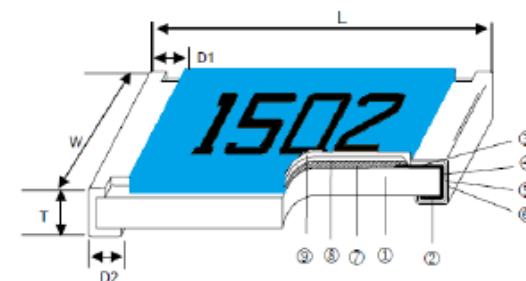
Green Thick film Resistor **CRG**

For 100% Pb Free , without RoHS Exemption

0402/0603/0805/1206/1210/2010/2512

1-10Mohm

■ Construction



MELF resistor

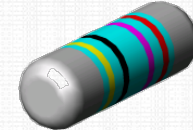
<http://adagecomponents.com/>

■ Features

- Excellent overall stability
- Miniature size **0102** available
- Tight tolerance down to **±0.1%**
- Extremely low TCR down to **±10 PPM/°C**
- High power rating up to 1 Watt

■ Applications

- Automotive
- Telecommunication
- Medical Equipment



CSR series

Item	Power rating at 70C	Resistance Range	TCR (PPM/°C)
Type		±0.1%~ ±5%	
0204	1/4W	1Ω - 10MΩ	±10~ ±100
0207	1/2W		
	1W		

AEC-Q200 Compliance
Anti-Sulfur is ok

Vishay's MMA/MMB/MMU

CSRP series High Voltage

Item	Power rating at 70C	Resistance Range	Max. operating Voltage	TCR (PPM/°C)
Type		±0.5%~ ±5%		
0204	2/5W	340KΩ - 3MΩ	500V	±25~ ±50
0207	1W		1000V	

CSRV series

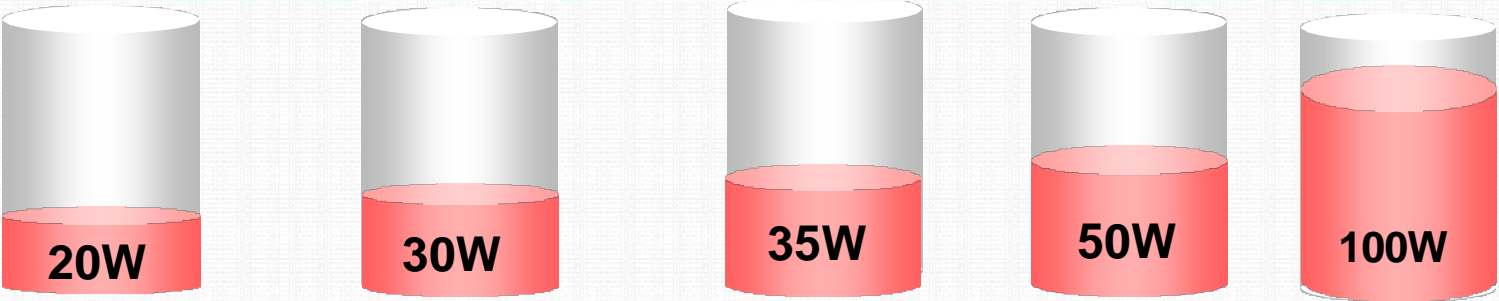
Item	Power rating at 70C	Resistance Range	CR (PPM/°C)
Type		±0.1%~ ±5%	
0102	1/8W, 1/5W	8.2	±10~ ±100
0204	1/4W, 2/5W	Ω -	

Extension to 3.4M TC25

New

Power resistor

<http://adagecomponents.com/>



With desirable thermal performance, the TR/STR Series is intended for high power electronic circuits from 20W to **100W**. Packages includes **TO220/263 and TO247**(Dpack), which is small in size to help with cost reduction, limited space requirement and to simplify the board layout.

Applications for STR/TR Series include power supply, especially high voltage power supply circuits, inverter/converter, and UPS in automotive, industrial and military.



	Viking	Vishay	Ohmite	TT
TO220	TR20		TAH20	MHP20
	TR30	LTO30	TBH30	MHP30
	TR35		TCH35	MHP35
TO263	STR35	D2TO35	TDH35	SMHP35
TO220	TR50	LTO50		MHP50
	TR50H			
TO247	TR100	LTO100	TEH100	MHP100

Product overview- Inductor



<http://adagecomponents.com/>

RF Inductor

- Thin Film Chip Inductor- **AL Series**
- Multilayer Chip Inductor- **CL-S Series**
- Wire Wound Chip Inductors- **WL Series**



IF Filter

- Multilayer Chip Inductor(Ferrite)- **ML Series**
- Wound Chip Inductors(Ferrite)- **NL**



EMI

- Multilayer Chip Beads- **CB Series**
- Chip Common Mode Coe- **CM**



Miniature

- Miniature- **SDIA/VLH Series**



Power Inductor

- Wire wound type- **MLP(H) series**
- Non-shielded- **PDH/PD/PCD**
- Shielded-



PS/PCS/PCDR/PCDS/PSDR/SCDS/SCDA/SCDR/PCF/PDRH/SDRH/SDB



- Dip- **DRGH/DRGR**



Ceramic chip inductor



<http://adagecomponents.com/>

Thin Film Inductor-AL

◆ Applications

RF Module : Wireless Fidelity 、 BT 、 SGM 、 CDMA 、 GPS 、 Router 、 Smart Phone

Voltage Control Oscillator 、 LED Sensor Module 、 Radio 、 FSK 、 ASK 、 Radar SIP 、 LED backlight 、 LCM Driver Measuring Instrument Household Appliances



High Q, high Current is available

■ Features

- Photo lithographic single layer ceramic chip
- High SRF, excellent Q, superior temperature stability
- Tight tolerance. of $\pm 1\%$ or $\pm 0.1\text{nH}$
- Highly stable design for critical needs

■ Dimensions

- 01005 : Tolerance $\pm 0.1\text{nH}$
Inductance $0.3\text{nH} \sim 1.5\text{nH}$
- 0201 : Tolerance $\pm 0.1\text{nH} \sim 5\%$,
Inductance $0.1\text{nH} \sim 10\text{nH}$
- 0402 : Tolerance $\pm 0.1\text{nH} \sim 5\%$,
Inductance $0.2\text{nH} \sim 33\text{nH}$

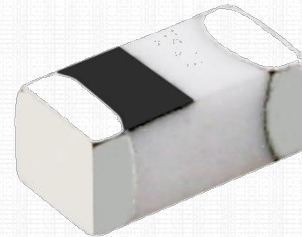


Ceramic RF chip inductor



<http://adagecomponents.com/>

Multilayer Inductor-CL-S



■ Features

- Tolerance of 2% ,5% or 0.3nH
- For High Frequency Application (~10GHZ)

■ Dimensions

- 0201 : Tolerance $\pm 0.1\text{nH} \sim 2\%$, 5%, Inductance $0.3\text{nH} \sim 56\text{nH}$
- 0402 : Tolerance $\pm 0.3\text{nH} \sim 10\%$, Inductance $1\text{nH} \sim 150\text{nH}$
- 0603 : Tolerance $\pm 0.3\text{nH} \sim 10\%$, Inductance $1\text{nH} \sim 220\text{nH}$

■ Applications

WLAN & RF Module :DVB-T 、 SGM

Cellular Phone 、 Radio 、 Measuring Instrument

Router 、 Motherboard、 Notebook Security System



Ceramic RF chip inductor



<http://adagecomponents.com/>

Wire wound chip Inductor-WL

■ Features

- Low profile , high current are available
- Highest possible SRFs as well as excellent Q values
- Tight tolerance down to +/-2%



■ Dimensions

- Size : 0402,0603,0805,1008,1206
- **High Current / High Q** : 0402, 0603 ,0805 ,1008



■ Applications

- Cellular Phone 、 Pager、 GPS

High Freq. Communication Products

- Wireless Router、 Industry Computer Notebook



Ferrite Chip Inductor



<http://adagecomponents.com/>

Multilayer chip Inductor-ML

High Current is available

■ Features

- Suitable for high density installation and re-flow soldering
- Closed magnetic circuit avoids crosstalk

■ Dimensions

● 0603

$\pm 10\%/\pm 20\%$, 10nH~10uH

● 0805

$\pm 10\%/\pm 20\%$, 47nH~22uH

● 1206

$\pm 10\%/\pm 20\%$, 47nH~33uH

■ Applications

- Notebook、Monitor、PC、DVD、
TV、Video Camera



Power Inductor



<http://adagecomponents.com/>

Wire Wound Type Power Inductor-MLP(H) series

Size	Inductance $\pm 20\%$
0806	0.24uH- 2.2uH
1004	0.33uH- 4.7uH
1008	0.47uH- 4.7uH



■ Features

- High saturation current realized by material properties and structure design
- Low DC resistance to achieve high conversion efficiency and lower temperature rising
- Magnetically shielded structure to accomplish high resolution in EMC protection
- Halogen free, Lead Free, RoHS Compliance

High Current is available

■ Applications

- Smart phone, PAD
- Thin-type power supply module
- DC-DC Converters

Viking	Murata/ TOKO	TDK	Cyntec	Taiyo	Würth
MLP06	1285AS (DFE201610C)/ DFE201610R	VLS201610HBX	PIFE20161T	MAKK2016	WE-PMCI 74479276xxx
MLP04	1269AS (DFE252010C)/ DFE252010R	VLS252010HBX	PIFE25201T	MAKK2520	-
MLP08	1239AS (DFE252012C)/ DEF252012R	VLS252012HBX	PIFE25201B	MAMK2520	-
MLP06(H)	DFE201610P	TFM2016GHM	-	-	-
MLP04(H)	DFE252010P	-	-	-	WE-PMCI 74479287xxx 74479288xxx
MLP08(H)	DFE252012P	-	-	-	-

Chip Inductor Cross Reference

Type	RF Inductor	Equivalent series					
	Viking P/N	Murata	TDK	TOKO	Coil craft	Taiyo-Yuden	KOA
Thin film	AL0201(0603)	LQP03T	-	-	-	-	KL731H (0603)
Thin film	AL0402(1005)	LQP15M/T	-	-	-	-	KL731E(1005)
Thin film	AL0603(1608)	LQP18M	-	-	-	-	KL731J(1608)
Multilayer	CL0402 (1005)	LQG15H	MLG1005	LL1005	-	HK1005	MHL1E(1005)
Multilayer	CL0603(1608)	LQG18H	MLG1608	LL1608	-	HK1608	MHL1J(1608)
Multilayer	CL0805(2012)	-	-	LL2012	-	HK2015	-
Ceramic/Wire Wound	WL0402(1005)	LQW15A	-	LLQ1005	0402CS	-	KQT0402
Ceramic/Wire Wound	WL0603(1608)	LQW18A	-	LLQ1608	0603CS/HC	-	KQ0603/KQC
Ceramic/Wire Wound	WL0805(2012)	LQW2BH	-	LLQ2012	0805CS/HQ/HT	-	KQ0805
Ceramic/Wire Wound	WL1008(2520)	-	-	-	1008CS/HQ/HT	-	KQ1008
Ceramic/Wire Wound	WL1206(3216)	LQW31H	-	-	1206CS	-	-
Ferrite /Wire wound	NL05(2012)	-	-	-	0805LS	LB2012	-
Ferrite /Wire wound	NL08(2520)	-	NLV25T	LLM2520	1008LS	LB2518	-
Ferrite /Wire wound	NL10(3225)	-	NLV32T	LLM3225	-	LB3218	-
Ferrite /Wire wound	NL12(4532)	-	NL453232T	-	1812LS	-	KL32
Ferrite /Wire wound	NL20(5650)	-	NL565050T	-	-	-	-
Multilayer/Ferrite	ML0603(1608)	LQM18N	MLF1608	-	-	LK1608	MCL1J
Multilayer/Ferrite	ML0805(2012)	LQM21N	MLF2012	-	-	LK2125	MCL2A
Multilayer/Ferrite	ML1206(3216)	-	-	-	-	-	MCL2B

Multilayer Chip Capacitor

<http://adagecomponents.com/>

■ Features

- A wide selection of sizes is available
- High capacitance in given case size
- Capacitor with lead-free termination
- AEC-Q200 requirement



■ Applications

- For Navigation & Information Equipment
- For Entertainment Equipment
- For Comfortable Equipment
- For Automotive Electronic Equipment

MC series

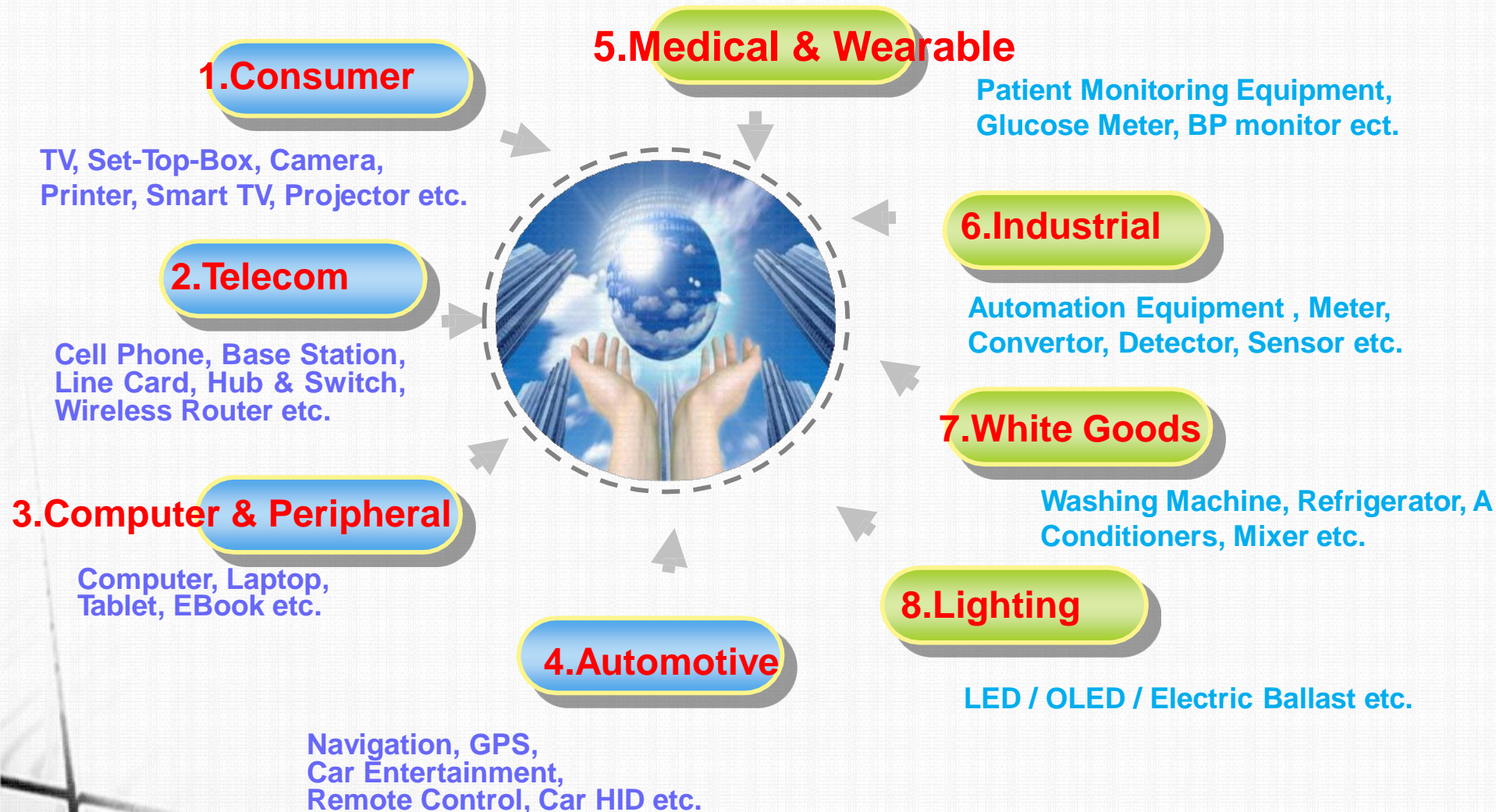
PN	Size	Voltage	Tolerance	Dielectric	
MC01	0201	6.3V~50V	±0.1pF~±0.5pF, ±1%~ ±5%, ±10%~20%, +80/20%	NPO/X7R/X5R	
MC02	0402	10V~50V		NPO/X7R/X6R/Y5V 0.5pF~100uF	
MC03	0603	6.3V~250V			
MC05	0805	6.3V~630V			
MC06	1206	6.3V~2000V			
MC10	1210	6.3V~2000V			
MC08	1808	6.3V~3000V			
MC12	1812	6.3V~3000V			
MCHL	High Q and Low ESR				NPO
MCRF	Ultra High Q,Low ESR				
MCLI	Low Inductance		X7R		

AEC-Q200

Automotive Availability

Adage's Passive Partner

Adage's Passive Partner Application gateway is categorized into 8 major market segments:



Marketing Trend

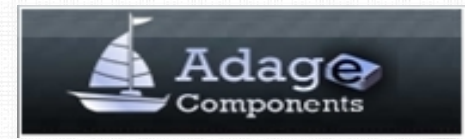


IATF 16949 , AEC-Q200
AUTOMOTIVE
AVAILABILITY

Automotive Grade Products

Quality Assurance

- ✓ AEC-Q200 Compliance
- ✓ IATF-16949 certified production sites
- ✓ High reliability with VDA6.3
- ✓ Certified with Equipment and employees to manufacture automotive products.
- ✓ Commitment to providing zero-defect TASK products
- ✓ PPAP available.
- ✓ Using special function code "A" to distinguish from general products.



<http://adagecomponents.com/>









Automotive Grade Products


<http://adagecomponents.com/>

AEC-Q200 Compliance

Resistors

Series	Product	Resistance range	Tolerance	TCR (ppm/°C)	Size
AR..A 	Automotive Grade Thin Film Chip Resistor	10Ω ~ 1MΩ	0.05% ~ 1%	±10~±50	0402 ~ 2512
CR..A 	Automotive Grade Thick Film Chip Resistor	1Ω ~ 10MΩ	1%, 5%	±100, ±200 ±400	0402 ~ 2512
CS..A 	Automotive Grade Current Sensing Chip Resistor	0.003Ω ~ 1Ω	1%, 2%, 5%	±100~±600	0402 ~2512 1225/3720/7520
AS..A 	Automotive Grade Anti-Sulfur Chip Resistor	1Ω ~ 10MΩ	0.5%, 1%, 5%	±100, ±200	0402 ~ 2512
CN..A 	Automotive Grade Thick Film Array Chip Resistor	10Ω ~ 1MΩ	1%, 5%	±200	0402/0603 8P4R
CSR.V 	Metal Film Precision Resistor (AEC-Q200 Compliance)	1Ω ~ 1MΩ	0.1% ~ 5%	±10~±100	0204, 0207

Inductors AECQ-200

Series	Product	Inductance range	Tolerance	Size
WL 	Wire Wound Inductor (AEC-Q200 Compliance)	1nH ~ 15000nH	0.2nH~10%	0402, 0603, 0805, 1008
CLS	Multilayer Ceramic	1-680nH	5%	0201/0402/0603

Automotive Market

<http://adagecomponents.com/>

Short – MID

- Meet AEC-Q200 Standard
- Passing VDA6.3 audition and prepare to Invest on all the necessary equipment. (US\$3.9M)
- Focusing on developing automotive customer. (Non-safety Concern)

MID - Long

- Improving production operator to automotive requirement level
- Moving from non-safety concern towards safety concern products
- Automotive MLCC Launch

High-End Market

Short – MID

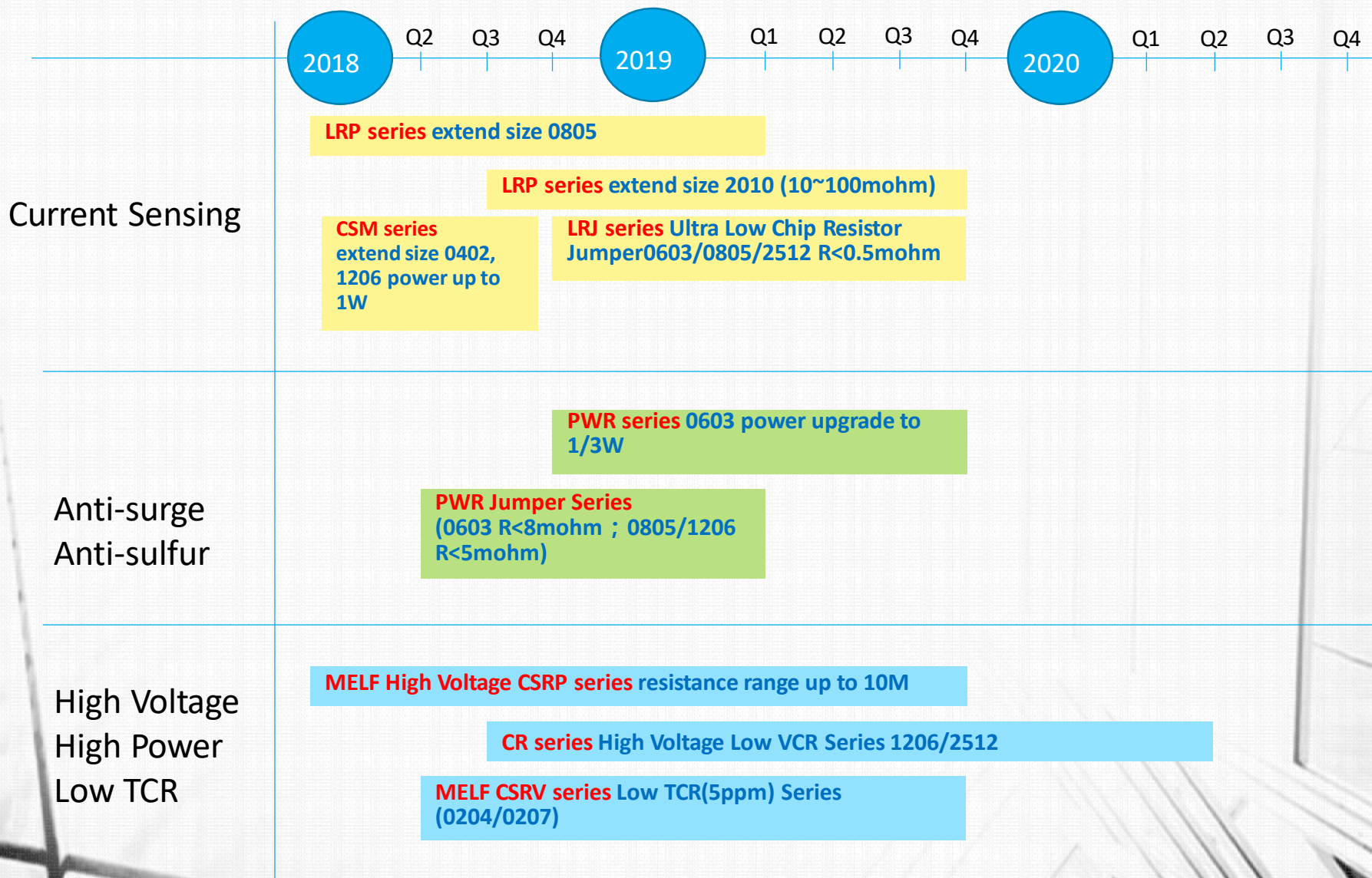
- Dividing Research & Design into 1. Manufacturing Process & 2. Product Development
- Upgrading all the current products
- Increasing R&D Engineers

MID - Long

- Purchasing all the necessary equipment based on product requirement.
- Taking Tier one Manufacturer as our reference for developing new product
- Develop customized product based on customer requirement which create a barrier to prevent Substitute

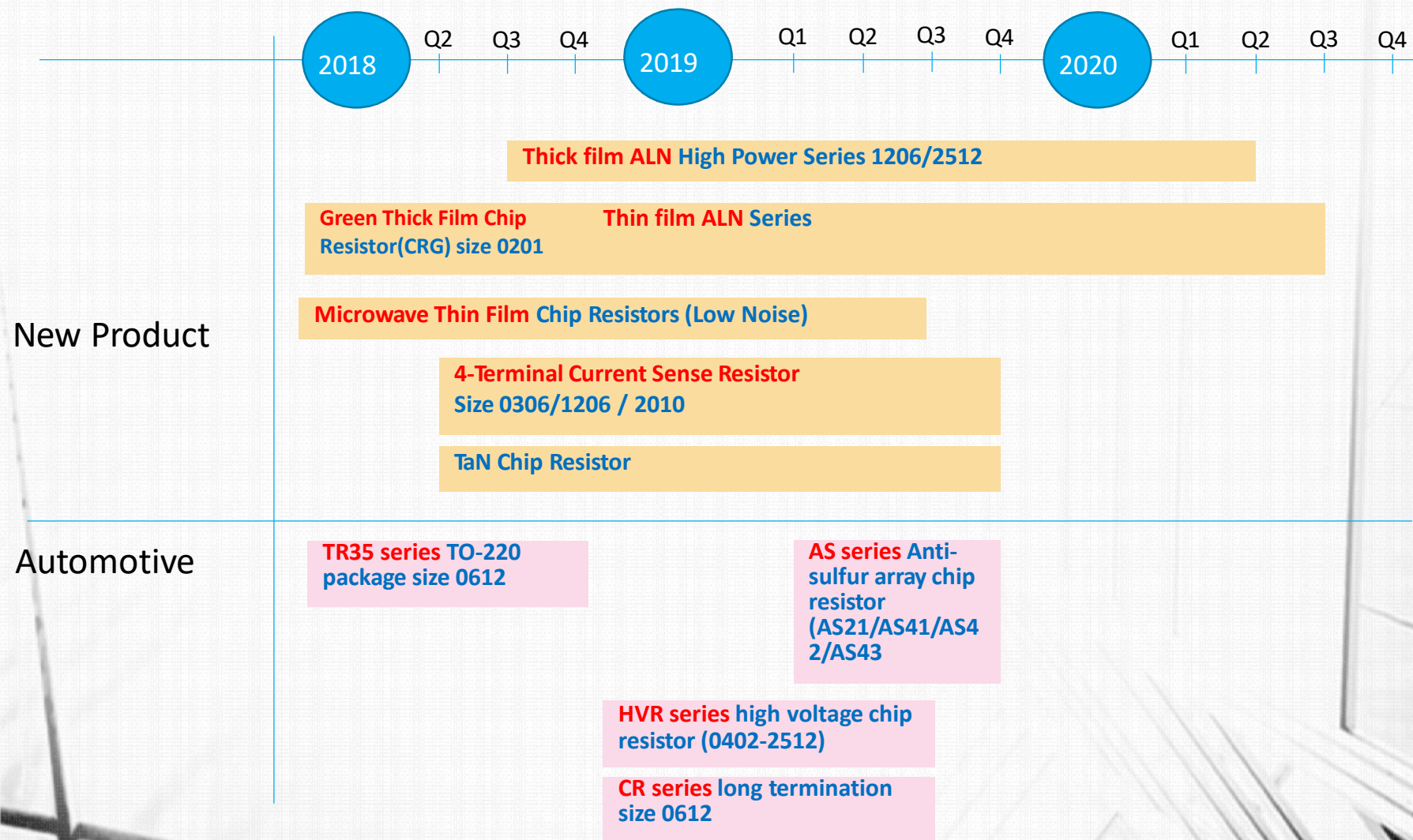
Development Roadmap 2018-2020

<http://adagecomponents.com/>



Development Roadmap 2018~2020

<http://adagecomponents.com/>



Business Activities

Industrial

OMRON



AVANT

Honeywell



dyson



GW INSTEK
Made to Measure



Consumer



wistron



SONY



DELL

JABIL

SAMSUNG

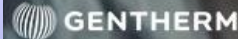
TOSHIBA



acer

FLEXTRONICS

Automotive



上汽集团
SAIC MOTOR



Visteon
KOSTAL

TESLA

ADVANTECH



Technology with Vision

Business Activities

Power



Communication



Eagle, Arcom



Why Choose



?

Advanced ,Experienced
Thin/Thick Film
Wirewound Technology

Quick Turnaround
Time and Response

Flexible Extension
Sufficient Capacity

On Public Company
Superior Management
High Yield, Cost Effective

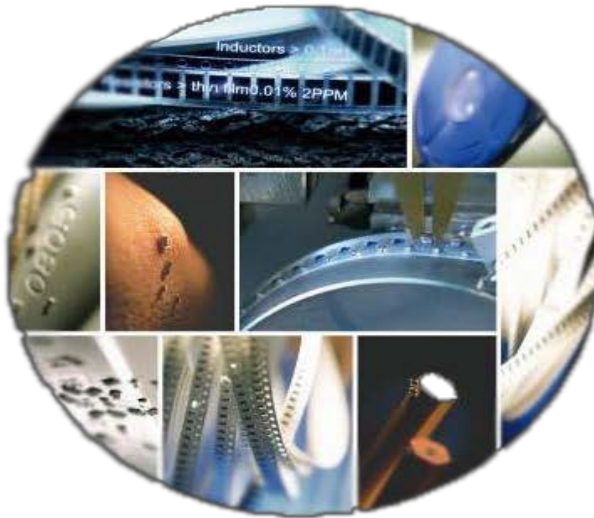
Wide Rang Products,
Excellent Technical
Support

Short Lead time and
Free Sample Support

Well -Organized ,
ERP System,
TS16949 QA System

Extensive RD Team,
Miniature Size, High Power ,
New Product Development





Thank you !

