

# 河源创基电子科技有限公司

Heyuan China Base Electronics Technology Co.,Ltd.



**CHINA BASE**  
INTERNATIONAL

公司简介  
Introduction





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www.china-base.com.hk

Factory  
planning  
renderings



### Creation the first base

China Base Electronic Technology Limited ( the original company name is "China Base International Enterprises Limited" was established in August 2014), located in TML Tower, Nos 3, Hoi Shing Road, Tsuen Wan , Hong Kong. The main business is sales the "CBI" brand full range of products and on behalf of the processing of Diodes, Transistors to all parts in China and exported to overseas areas. At present, the exporting regions are Singapore, Malaysia, Thailand, Japan , Taiwan and South Korea.

### Independent Plant for production

Heyuen China Base Electronic Technology Co Ltd was established in 2016, located in Longjiang County, Guangdong Province, Longchuan County Dengyun Town Longchuan Industrial Park 10 - 4. The architectural area covers around 60 acres in total. The main business and activities are R&D, design, manufacturing , sales & marketing of "CBI" brand products. The products of CBI is including wide range of Diodes, Transistors , : SOD123、SOD323、SOD523、SOD723、SOD923、SOT23、SOT23-3L、SOT23-5L、SOT23-6L、SOT89、SOT323、SOT353、SOT363、SOT523、SOT553、SOT563 and PDFN etc. current capacity up to 700Kkpcs/month.

### Development of Company

China Base Electronic Technology Co Ltd ("CBI") is growing dramatically with own brand [CBI] series, the products range have been widely applied in various household appliances, electronic toys digital products, office equipment, communication equipment, notebook computers, switching power supply, backlight, LED light bulbs, street lighting system. CBI is strictly accordance with the quality management system for all types of supervision. Products meet the international standard such as EU environmental certification. The brand is well recognized and obtains good credibility in overseas market of Southeast Asia. The core operation principle of CBI is "Top priority on high quality, service and customer oriented". We continuously develop our competence on technology, quality, innovation of products and service to create competitiveness and values to our customers and partners.

### Quality assurance

We have a number of experienced electronic engineers, transformation of automated production equipment, most of which automated production equipment is independent research and development , production technology to make products more stable and reliable, in the industry occupation of the initiative.



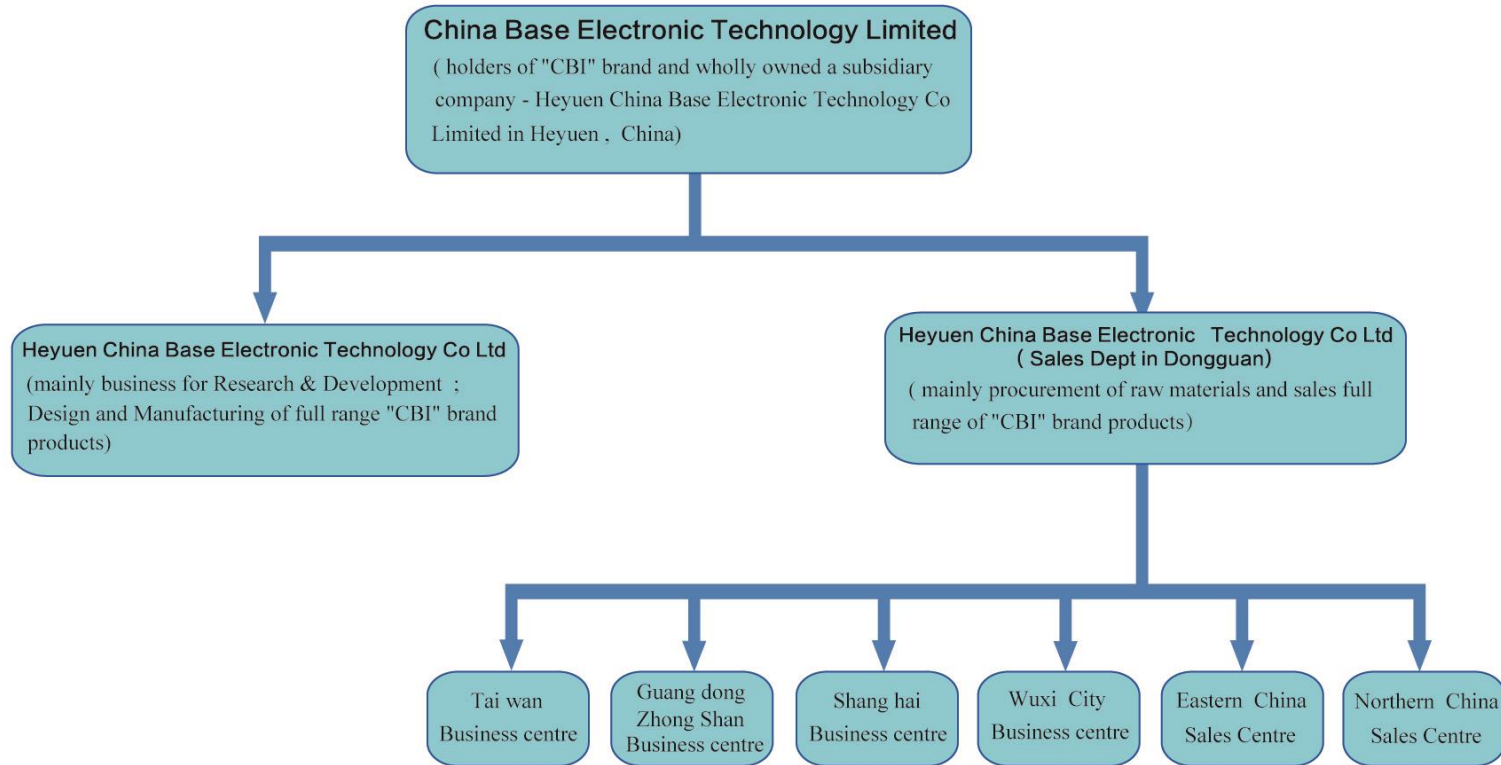
创基与你  
携手创未来



[www.china-base.com.hk](http://www.china-base.com.hk)

Factory  
Real  
scenes





## Organization of China Base

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## Product Summary

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Product Category	Product packaging	Monthly production Capacity / PCS	Product Image
Diodes	SOD-123	100KK	
Diodes	SOD-323	100KK	
Diodes	SOD-523	180KK	
Diodes/Transistor	SOT-23	500KK	
Diodes/Transistor	SOT-23-3L	30KK	


Product Category	Product packaging	Monthly production Capacity / PCS	Product Image
Diodes/Transistor	SOT-23-5	30KK	 The image shows a SOT-23-5 package with three leads. The text 'SOT-23-5' is at the top, 'CBI' is in the center, and the CBI logo is at the bottom right.
Diodes/Transistor	SOT-23-6	30KK	 The image shows a SOT-23-6 package with six leads. The text 'SOT-23-6' is at the top, 'CBI' is in the center, and the CBI logo is at the bottom right.
Diodes/Transistor	SOT-89	60KK	 The image shows a SOT-89 package with three leads. The text 'SOT-89' is at the top, 'CBI' is in the center, and the CBI logo is at the bottom right.
Diodes/Transistor	SOT-323	60KK	 The image shows a SOT-323 package with three leads. The text 'SOT-323' is at the top, 'CBI' is in the center, and the CBI logo is at the bottom right.
Diodes/Transistor	SOT-353	60KK	 The image shows a SOT-353 package with three leads. The text 'SOT-353' is at the top, 'CBI' is in the center, and the CBI logo is at the bottom right.



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Product  
Summary

Product Category	Product packaging	Monthly production Capacity / PCS	Product Image
Diodes/Transistor	SOT-363	60KK	
Diodes/Transistor	SOT-523	60KK	
Diodes/Transistor	SOT-553	60KK	
Diodes/Transistor	SOT-563	60KK	











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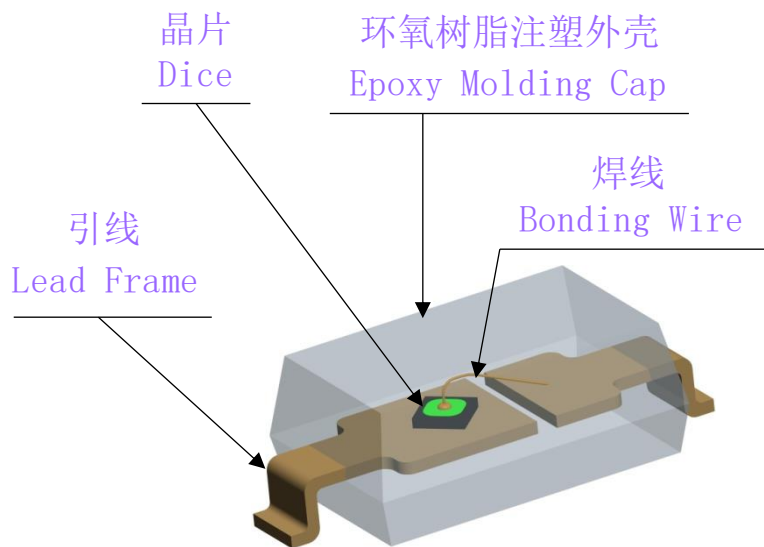
**Product  
Summary**

Product Category	Product packaging	Monthly production Capacity / PCS	Product Image
Diodes	SOD-723	100KK	
Diodes	SOD-923	100KK	
Diodes/Transistor	SOT-723	80KK	

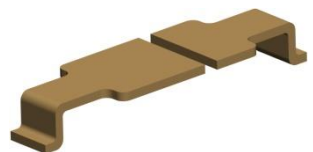
Product Category	Product packaging	New Product Planing	Product Image
Diodes/Transistor	SOT-923	Year 2023	
PDFN	3.3 * 3.3mm	Year 2023	
PDFN	5 * 6mm	Year 2023	

# SOD DIODES

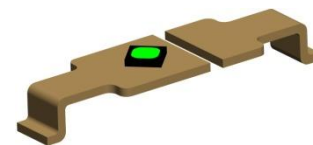
## Schematic



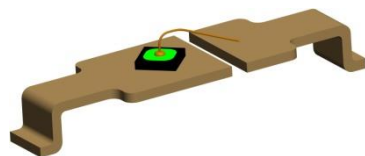
## Assembling Process



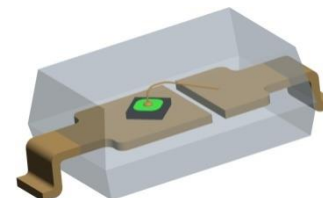
步骤一 Process One



步骤二 Process Two



步骤三 Process Three

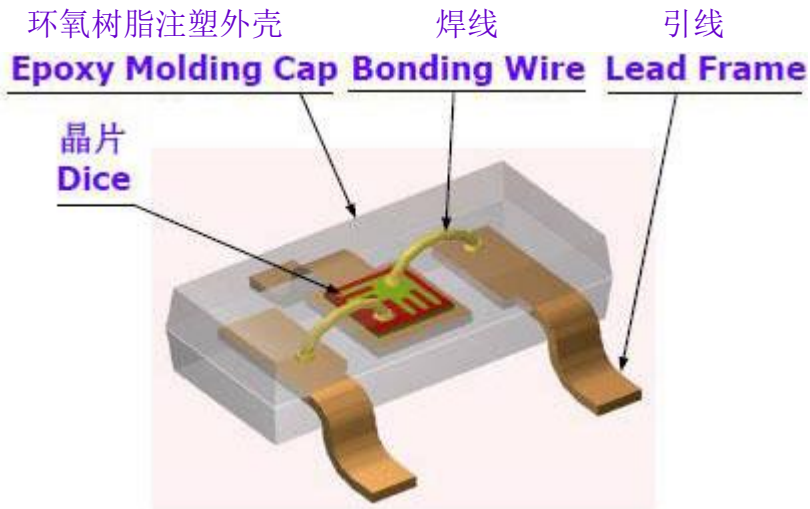


步骤四 Process Four



# SOT DIODES & TRANSISTORS

## Schematic



## Assembling Process



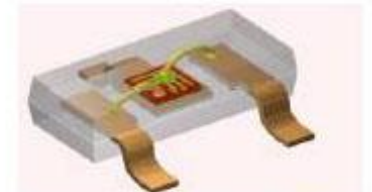
步骤一 Process One



步骤二 Process Two



步骤三 Process Three



步骤四 Process Four

Device Name	Bands	Units
Dicing Saw Machine	日本DISCO、DS616	10
Die Bonder Machine	新益昌	136
Wire Bonder Machine	ESEC、ASM、KS、KAIJO	115
Molding Machine	RZM	15
Automatic Molding Machine	铜陵三佳、尚明	15
Rank Plating Machine	上海新阳	3
Cutting & Forming Equipment	尚明	15
Engraving Machine	联动、深科达、佛雷斯、莱普	45
Separator	深科达，诺泰、远望、华越	120
Test Machine	联动、宏泰、友能、长川、诺泰	145
X-RAY scanner	苏州奥克思	1

Auxiliary  
Equipment

Device Name	Brands	Units
Appearance Test Equipment	深科达, 诺泰、远望、华越	101
Bond Tester	韩国CETEK	2
Reflow Soldering	深圳普惠	1
Metalloscope	北京永丰	1
High Temperature Aging Test	威邦	2
Thermal Shock Test	威邦	2
Constant Temperature And Humidity	威邦	2
PCT Chamber	鼎升	2
Temperature Cycle Tester	海德	1



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# Equipment for Plastic Seal and process

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Die  
Cutting



Bonding



Wire  
bonding



Injection  
molding



START



Test on  
the band



Finished  
cutting



Laser  
cutting  
plotter



Rank  
plating

PACKING



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**Punching burr sandblasting machine**



**Nitrogen system**



**Purified Nitrogen system**



**Pull Tester**



**Pure water system**



**Large-scale green air-conditioning system**



**Air Compressor**



**Constant temperature / Humidity storage Testing machine**

**Others  
Equipment**





**High temperature aging test machine**



**X-Ray Test Machine**



**Chiller**



**Reflow soldering**



**Temperature cycle tester**



**Test machine**



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Product Application



### CBI brand products are widely used in various electronic products

- Diode products can be reasonably connected with resistors, capacitors, inductors and other components to form circuits with different functions, which can realize various functions such as rectification of alternating current, detection of modulated signals, amplitude limiting and clamping, and voltage regulation of power supply voltage.
- Transistor is a semiconductor device that controls current. It can amplify a weak signal into an electrical signal with a large amplitude. A small signal input to the base will cause a large current change in the collector. This is one of the most important electronic circuits. It is also the most important and core part; it is also used as a non-contact switch, using the cut-off and conduction characteristics of the triode to control or drive the load; more than Such as gate circuits composed of triodes, switching power supplies, etc.
- PDFN is a latest electronic packaging technology, using advanced bilateral or Quad Flat No-leads Package, ultra-small size, long service life and other characteristics; BJT, MOS, SBD, ZENER, TVS, ESD series product' s packaging size are smaller than traditional SOT23 , SOT523, MSD moisture sensitivity level are higher(wearable product sensitive parameter), higher power density, MOS (Rdson), SBD (VF), BJT (Vces), Vc (TVS/ESD) and other parameters are lower.

Communication



Professional

Integrity



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International quality assurance



ISO9001 QC/QA CONTROL SYSTEM



ISO14001:2015



QC080000



IATF 16949:2016



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Certificate



企业名称: 河源创基电子科技有限公司

证书编号: GR202144002457

发证日期: 2021年12月20日

有效期: 三年

批准机关:





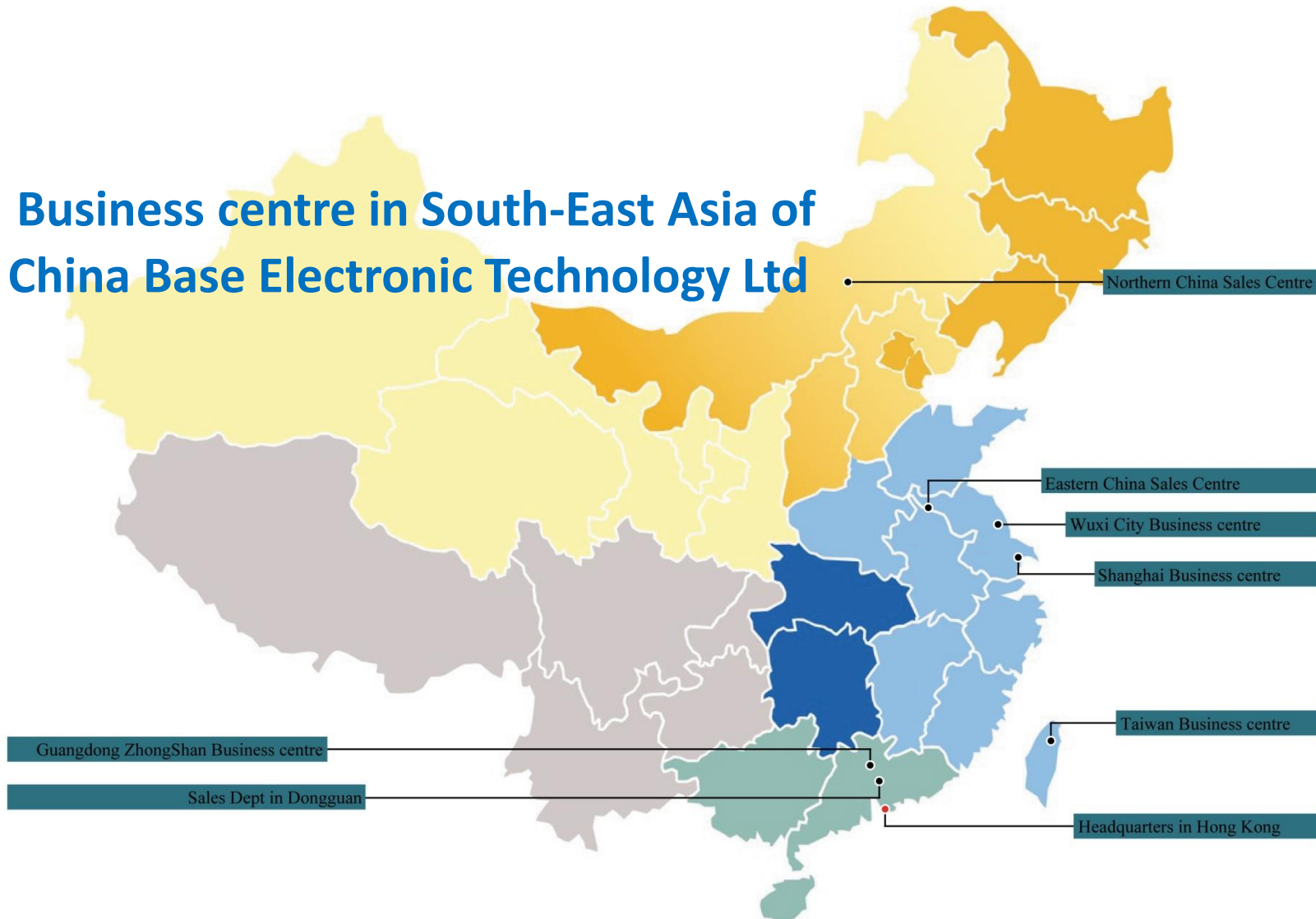


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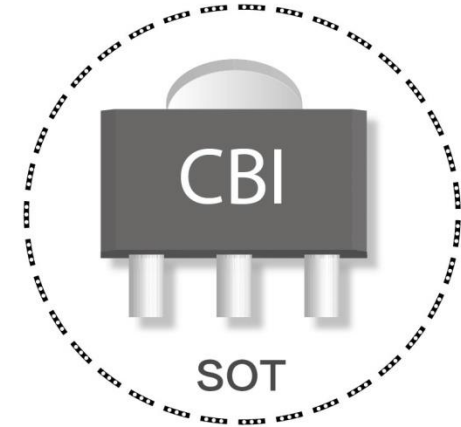
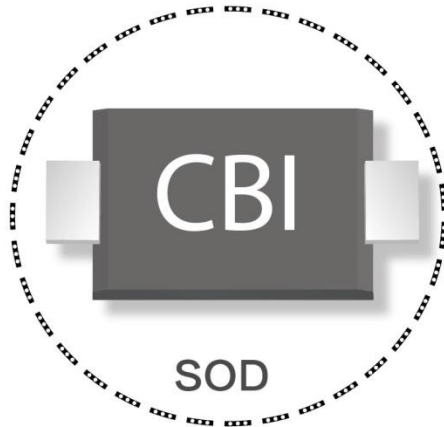
## Business centre in South-East Asia of China Base Electronic Technology Ltd







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