



# 安全技术说明书 (Safety Data Sheet)

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## 1.Product&Manufacturer产品和厂家

Product Name: SOT-23 eutectic iron Transistor

Product Number:

Supplier or Manufacturer: Dongguan Pingjingsemi Technology Co.,Ltd

Address: No. 13, Wende Road, Xiaokeng, Liaobu Town, Dongguan City, Guangdong Province

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## 2.Composition/Information on Ingredients成分/成分的信息

材料 Material	占总重百分比 Percentage of total weight	化学成分 Chemical composition	CAS NO	占各材料百分比 Percentage of each material
Plating	2.32%	Sn	7440-31-5	99.9918%
		Pb	7439-92-1	0.0035%
		As	7440-38-2	0.0005%
		Fe	7439-89-6	0.0008%
		Cu	7440-50-8	0.0003%
		Bi	7440-69-9	0.0017%
		Sb	7440-36-0	0.0009%
		Zn	7440-66-6	0.0001%
		Al	7429-90-5	0.0001%
		Cd	7440-43-9	0.0003%
Epoxy Molding	59.64%	Silica(Amorphous) A	60676-86-0	85%
		Silica(Amorphous) B	7631-86-9	5%
		Epoxy resin A	TradeSecret	5%
		Epoxy resin B	29690-82-2	2.5%
		Phenol Resin	TradeSecret	1.5%
		Carbon black	1333-86-4	1%
Bonding Wire	4.51%	Cu	7440-50-8	99.99%
		Other	-	0.01%
Lead Frame	32.98%	Fe	7439-89-6	57.55%
		Si	7440-21-3	0.3%
		Mn	7439-96-5	0.8%
		Ni	7440-02-0	41%
		S	7704-34-9	0.025%
		P	7723-14-0	0.025%
		Al	7429-90-5	0.1%
		Cr	7440-47-3	0.1%
		C	7440-44-0	0.05%
		Ag	7440-22-4	0.05%
Dice	0.55%	Si	7440-21-3	95%
		Other	-	5%

## 3.Hazards Identification危害辨识

Health effect(s): Can't eat

Environmental effect(s): May cause harm to the water environment

Physical and chemical hazard(s):N/A

Special hazard(s): When used under reverse voltage and other conditions, it can cause the product to crack. and the cracked fragments can cause harm to personnel.

#### 4. First-aid Measures 急救措施

Classification by ways of exposition: [No effect](#)

Inhaled : [N/A](#)

Skin contact: [No effect](#)

Ingested : [N/A](#)

Harmful effect(s) and symptom(s) : [N/A](#)

Protection to the first-aid personnel : [N/A](#)

Note to physicians : [N/A](#)

#### 5. Fire -fighting Measures 消防措施

Suitable fire extinguisher(s) : [Any extinguishant including CO2, dry powder ,foam is suitable](#)

Hazardous material(s) released during fire-fighting : [N/A](#)

Precaution : [None](#)

#### 6. Accidental Leak Measures 泄露处理方法

Personal precaution : [N/A](#)

Environmental precaution : [N/A](#)

Method(s) for cleaning up : [N/A](#)

#### 7. Safe Handling and Storage Methods 安全处置与储存方法

Handling : [No special requirement in handling the goods .Do not discard arbitrarily. Away from the fire](#)

Storing condition : [Temperature: 10-28 °C; Humidity: 20-60%; And keep away from direct sunlight and rain,](#)

[Storage period: 5 years](#)

#### 8. Exposition Preventive Measures 暴露预防措施

Project control : [N/A](#)

Personal precaution : [N/A](#)

#### 9. Physical and Chemical Properties 物理及化学性质

State of matter: [Solid](#) Appearance: [Square](#)

Colour: [Black](#) pH value: [N/A](#)

Solubility in water: [Not soluble](#) Fire point: [500°C](#)

Odor: [None](#) Boiling point/range: [N/A](#)

Decomposition temperature: [N/A](#)

#### 10. Stability and Reactivity 稳定性和反应性

Stability : [Stable under normal storage and use](#)

Possible reaction under special condition : [N/A](#)

Material(s) to avoid : [N/A](#)

Conditions to avoid : [Strong acid, strong base](#)

Hazardous product(s) released upon decomposition : [N/A](#)

#### 11. Toxicological Information 毒性资料

Acute toxicity : [N/A](#)

Sensitization : [N/A](#)

Chronic toxicity or long-term toxicity : [N/A](#)

Local effect(s): [N/A](#)

Special effect(s) : [N/A](#)

#### 12. Ecological Information 生态信息

Ecological toxicity: [harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment, forbidden to discharge into sewers, surface water and groundwater.](#)

**13. Disposal** 废弃

Way of disposal : [Follow the regulations of the local government](#)

**14 Transportation** 运输

Overseas regulation(s) on transportation : [N/A](#)

Local regulation(s) on transportation : [N/A](#)

UN code : [N/A](#)

Way of transportation and precaution :

[This is not hazardous product.](#)

[waterproof, sunproof and no excessive](#)

**15. Regulations** 法规

Applicable regulation(s): [RoHS Directive \(EU\) 2015/863](#)

**16. Other Information** 其他

Other Information : [N/A](#)

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